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JANUARY, 1909

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

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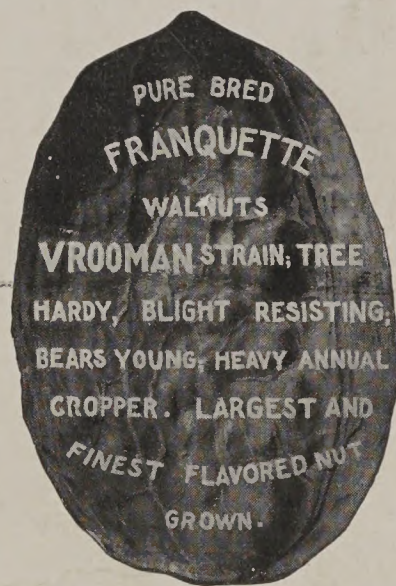
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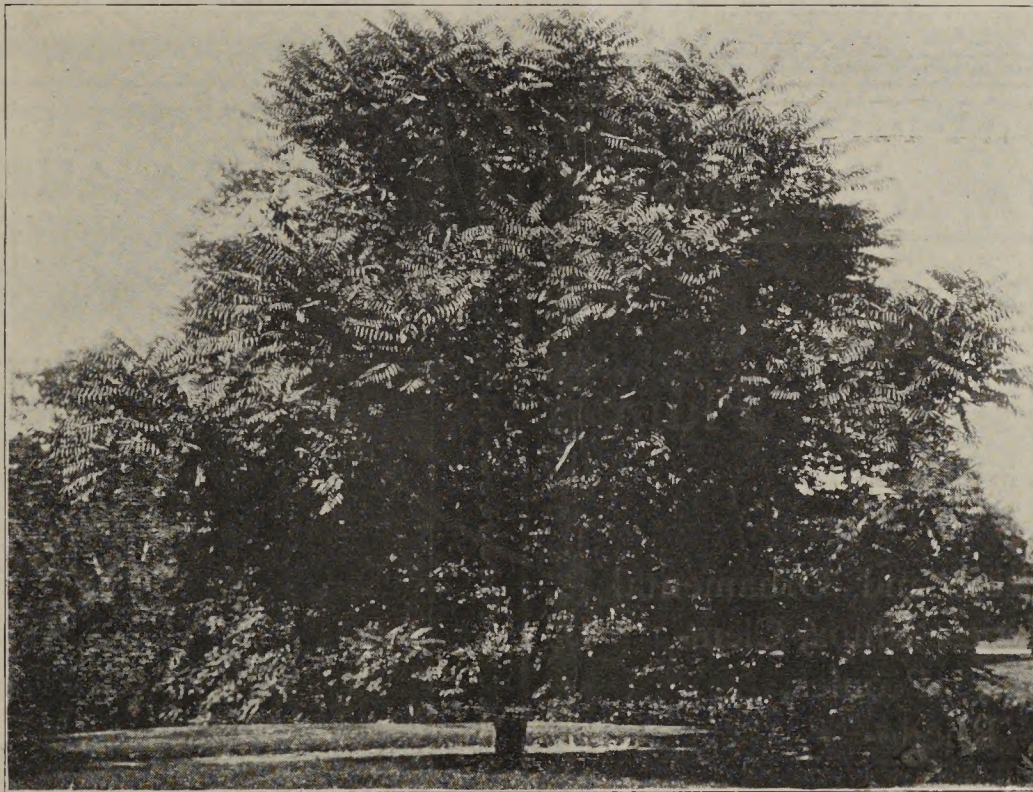
While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof cellar. Orders booked early for cellared stock will be set aside and held for shipment.

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**Jackson & Perkins Co.**

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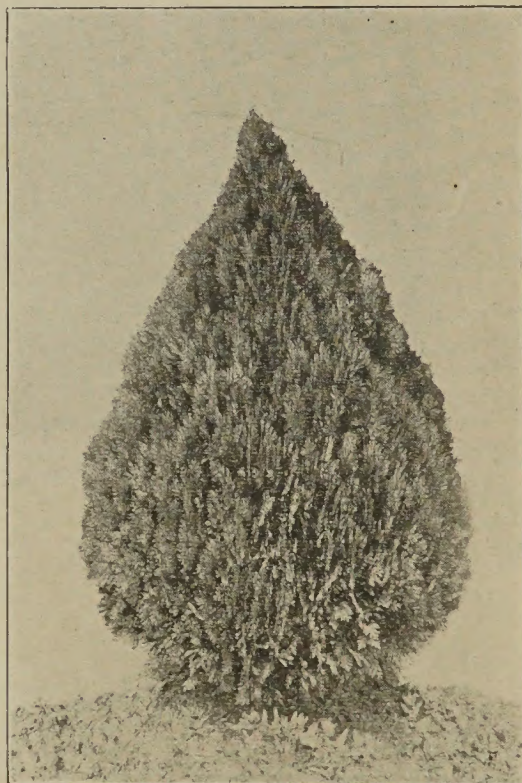
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Pocket Diary and Spray Calendar for 1909 sent FREE. Mention this paper.

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CHERRY, PLUM AND QUINCE—2 Yrs.  
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My stock is complete in every way, and includes all the hardiest and most valuable varieties. In addition to having the largest stock of Evergreens and forest trees in America of varieties which are grown from seeds, I have a very complete stock which I propagate by grafting and rooted cuttings and am offering same in the smaller as well as the larger sizes, thus enabling you to obtain plants at reasonable prices for growing on.

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If you are in the market for anything in Evergreens or Forest trees in any size or quantity, and are interested in getting stock that will live and grow, you will make no mistake in purchasing from a specialist.

"DUNDEE GROWN TREES HAVE BEEN FAMOUS FOR OVER HALF A CENTURY."

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I also offer a complete line of TREE SEEDS of entirely new crop, and of high germinating quality. Send for price list.

**D. HILL, Evergreen Specialist**

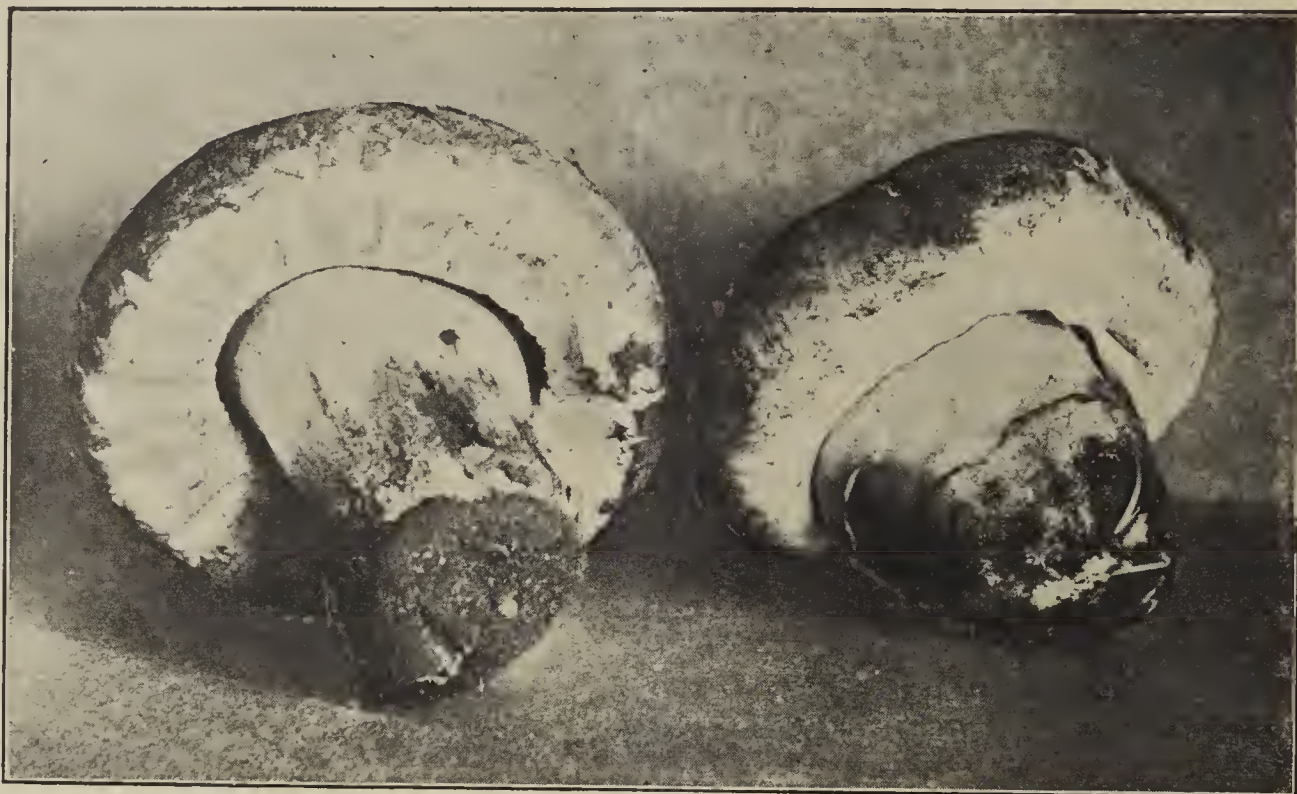
THE DUNDEE NURSERIES, DUNDEE, ILLS.

When writing to Advertisers mention The National Nurseryman.





CHARLES H. WINKLER  
Pacific, Mo.



Mushrooms Grown by  
Pure Culture Spawn Company,  
Pacific, Missouri.





# The National Nurseryman.

FOR GROWERS AND DEALERS IN NURSERY STOCK

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Vol. XVII.

ROCHESTER, N. Y., JANUARY, 1909

No. 1

## MUSHROOMS: A SECONDARY CROP FOR NURSERYMEN

### How to Utilize Storage Cellars the Whole Year Round

PURE CULTURE SPAWN COMPANY, PACIFIC, MISSOURI

It often happens that nurserymen have cellars or other storehouses standing idle and unused for a considerable portion of the year. Why not utilize this space for the cultivation of a crop that is in demand the year round and which may be grown with a minimum of time and personal attention.

The culture of mushrooms has received a new impetus since the introduction of pure culture strains. Instead of growing a mixture of varieties as formerly the grower can now secure definite varieties distinguished by color, form or consistency; and having pure culture spawn, may start his bed with much greater assurance of success than formerly.

Pure culture methods of making spawn have been largely developed by Professor B. M. Duggar now of Cornell University, when working in cooperation with the United States Department of Agriculture. The advantage of this method became so apparent that several wide awake firms promptly went into the business. One of the foremost and most successful is the Pure Culture Spawn Company, managed by Mr. Charles H. Winkler of Pacific, Missouri. This firm holds the place of a pioneer in the field and stands ready to supply the trade with pure culture spawn of the best varieties in cultivation. The frontispiece illustrates two of the leading species from which cultivated forms have been derived and are now furnished by this company.

In order to give nurserymen an opportunity of considering the feasibility of an enterprise of this nature the following article by Professor Duggar excerpted from Farmer's Bulletin 204 is presented. Further information may be obtained by writing to the Pure Culture Spawn company

for their pamphlet of directions. The subject is well worth investigating.

#### COMMERCIAL MUSHROOM GROWING.

"The successful cultivation of mushrooms in America has not been so general as in most of the European countries. It is in France and in England that the mushroom industry has been best developed. France is, properly speaking, the home of the present mushroom industry. Unusual interest has been shown in the United States in the growth of mushrooms within the past few years, and it is to be hoped and

expected that within the next ten years the industry will develop to the fullest limit of the market demands. The latter, will of course, be stimulated and developed by the increasing popular appreciation of this product. In some cities and towns there is already a good market demand for mushrooms, while in others they may be sold only directly to special customers. This should be borne in mind by prospective growers.

A glance at the figures indicating the quantity of mushrooms passing through the

Central Market of Paris will afford a fair idea of the extent of this industry in France. The following tables give approximately the total quantity sold during several successive years and the production by months:

QUANTITY OF MUSHROOMS PASSING THROUGH THE CENTRAL MARKET OF PARIS, 1898-1901.

Year.	Total production. Pounds.	Immediate consumption. Pounds.	Amount preserved. Pounds.	Mean price per pound. Cents.
1898 .....	3,960,000	2,200,000	1,760,000	26
1899 .....	6,820,000	4,092,000	2,728,000	26
1900 .....	8,580,000	4,180,000	4,400,000	25
1901 .....	9,680,000	3,740,000	6,160,000	24



Illustrating the ridge method of growing pure culture mushrooms in cellars.



PRODUCTION OF MUSHROOMS FOR THE PARIS MARKET IN 1901, BY MONTHS.

Month.	Total production. Pounds.	Month.	Total production. Pounds.
January .....	902,000	July .....	734,800
February .....	895,400	August .....	651,200
March .....	941,600	September .....	653,400
April .....	917,400	October .....	649,000
May .....	985,600	November .....	655,600
June .....	877,800	December .....	726,000

CAUSES OF FAILURE.

Success in mushroom growing depends on intelligent study on conditions and on experience. While many American growers have been successful in the production of mushrooms, a much larger number have failed. In most cases their failures have been due to one or more of the following causes:

(1) The use of poor spawn, or of spawn which has been killed by improper storage.

(2) Spawning at a temperature injuriously high.

(3) The use of too much water either at the time of spawning or later.

(4) Unfavorable temperature during the growing period.

It is therefore important to the prospective grower that careful attention be given to the general discussion of conditions which follows.

TEMPERATURE AND MOISTURE.

Mushrooms may be grown in any place where the conditions of temperature and moisture are favorable. A shed, cellar, cave, or vacant space in a greenhouse may be utilized to advantage for this purpose. The most essential factor, perhaps, is that of temperature. The proper temperature ranges from 53° to 60° F., with the best from 55° to 58° F. It is unsafe to attempt to grow mushrooms on a commercial basis, according to our present knowledge of the subject, at a temperature much less than 50° or greater than 63° F. Any severe changes of temperature retard growth, or else act injuriously, and many changes of temperature would entirely destroy the profits of the mushroom crop. From this it is evident that in many places mushrooms may not be grown as a summer crop. With artificial heat they may be grown almost anywhere throughout the winter. Moreover, it is very probable that in this country open-air culture must be limited to a few sections, and restricted, commercially at least, to a single season.

A second important factor is that of moisture. The place should not be very damp, or constantly dripping with

water. Under such conditions successful commercial work is not possible. A place where it is possible to maintain a fairly moist condition of the atmosphere, and having such capability for ventilation as will cause at least a gradual evaporation is, by general practice and by the most extensive experimentation, shown to be necessary. With too rapid ventilation and the consequent necessity of repeated applications of water to the mushroom bed no mushroom crop will attain the highest perfection.

CAVES, CELLARS, AND HOUSES.

Cellars, caves and abandoned mines, or specially constructed houses, are used for growing mushrooms, because in such places only can the conditions of temperature and moisture be best regulated. Cold is less injurious to mushroom beds than heat. The former renders the bed for a

time unproductive; but the latter stimulates the spawn to too rapid growth, which is usually followed by the production of unsalable mushrooms, or by the eventual death of the spawn, supposedly by damping off.

Mushrooms may often be grown in a very simply constructed shed or unused barn which will provide against any sudden changes of the temperature,

and when it is possible to employ artificial heat the season for mushroom production in such structures may be greatly extended. Cellars are very commonly used in producing mushrooms for family use. Natural or artificial caves are of the first importance, however, for commercial work, since the situation of these below the surface will best insure a temperature throughout almost the entire year more or less close to that which is desired. In selecting caves or cellars, one should guard against the possibility of flooding or of too much seepage water during a rainy season. Perhaps the least satisfactory situation among those mentioned is the greenhouse. Under ordinary circumstances it heats up too readily during days of warm sunshine, and, unless special precautions are taken, it is not to be generally recommended for amateurs. Nevertheless, during the fall and winter it is possible to grow mushrooms under the benches or in any other unused space with but very little outlay of money or labor. Cold frames may also be used to good advantage during the autumn or spring. The natural caves of this country and abandoned coal mines in some sections should be further investigated with relation to



Showing the bricks of pure culture spawn in Pure culture Spawn Company's Warehouse, Pacific, Mo.



their adaptability for the commercial production of mushroom. A thorough study should also be made of open air conditions.

In the construction of special mushroom houses any one of a variety of plans may be followed, and the selection of the style will depend, of course, upon its cheapness and efficiency in the particular locality.

#### PREPARING THE BEDS.

Mushroom beds are of two general types, (1) the flat bed, frequently referred to as the English, and (2) the ridge bed, known as the French type. In making the former the entire floor space may be utilized as a bed, and the beds may be arranged in the form of tiers or shelves. In low cellars or caves, and, indeed, wherever the amount of floor space is not the most important consideration, it would be well to avoid the use of shelves; but where the amount of floor space is an important factor they may be adopted to advantage, although the additional labor involved in the growing of a crop under such conditions is an item to be considered. When shelves are used one should be careful to whitewash these after each crop in order to avoid the increased danger from insect depredations. In any case, flat beds should be made from 8 to 10 inches deep.

Ridge beds enable one to get a somewhat greater surface space in a given area, but they are also more expensive so far as the labor of construction is concerned. Nevertheless, under many circumstances they are obviously desirable. They should be about 2 feet wide at the base, tapering gradually to the apex, and not more than about 18 to 20 inches high when compressed and cased. The custom is to make two such beds in contact, and then to leave a walk way of 8 or 10 inches between the next two, and so on till the space is occupied. Next to the walls slanting beds may be prepared.

In any case the manure is made up in the form of the bed desired, and should be firmed or compressed to some extent immediately in order to prevent drying out and burning when the secondary fermentation takes place. At this time, the manure should be neither wet nor dry, but merely moist. The only practical test of the proper moisture content of the manure which can be relied upon is when upon compression, water can not readily be squeezed out of it.

#### SPAWNING.

After the beds are prepared the temperature should be, and it usually will be, too high for spawning. After a sudden rise the temperature should gradually fall during the course of a week or more to about 70° or 75° F. At this temperature spawning may take place, but under absolutely no circumstances should a bed be spawned at a temperature greater than 80° F. If brick spawn is used, the bricks are broken into pieces about 2 inches square, or into from 10 to 12 pieces per brick. These pieces are inserted from 1 to 2 inches below the surface, about 10 inches to 1 foot apart, and the bed is then compressed into final shape. Under the most favorable circumstances it is unnecessary and undesirable to water the beds for several weeks after spawning, or until they are loamed or cased. If they dry too rapidly and some water is necessary, it should be given as a surface spraying, for water in quantity applied to the young spawn will almost invariably cause the latter to damp off.

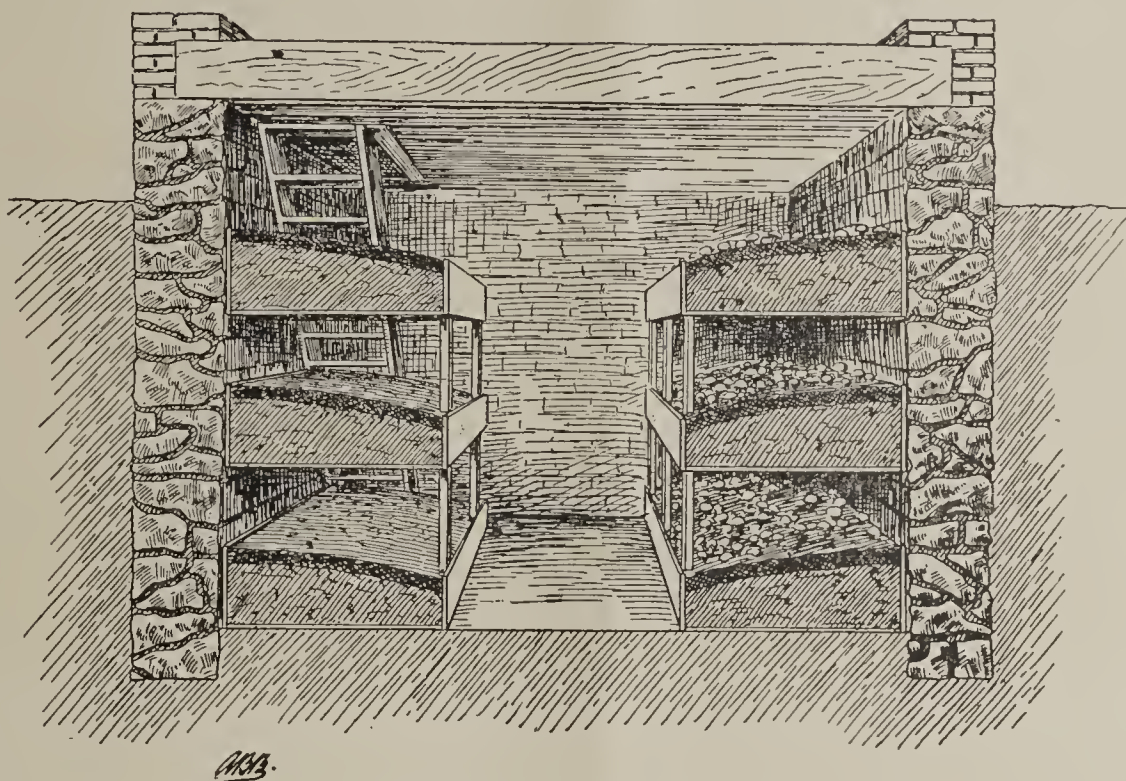


FIG. 4.—Shelf beds in warm cellar.  
From Farmers' Bulletin No. 204.

#### CASING THE BEDS.

An examination of the bed about two weeks after spawning is desirable, and if it is found that the spawn is "running" the beds may be cased with loam. Casing consists in applying a layer of loam from 1 to 1½ inches deep to the surface of the bed. This loam should have been secured some time in advance and carefully worked over or screened to get rid of the largest pebbles, lumps and trash. When ap-

plied it should be barely moist. Subsequently, if watered at all, it should be merely sprinkled in order to prevent any drying out of the bed. Neither a heavy clay nor a sandy loam should be used for casing purposes, but almost any other soil is good.

#### WATERING.

As previously indicated, the spreading spawn should receive no water, or, at least, as little as possible. When however, the mushrooms begin to appear, more water will be required and a light sprinkling may be given once or twice each week or as often as the conditions demand. Beds which come into bearing in proper condition should never be drenched. It has been found by experience that under the most favorable conditions a bed will require occasional sprinkling, since, owing to continual evaporation, there will be a gradual loss of water, at least after the mushrooms begin to appear. Sprinklings should be



made after the mushrooms have been gathered, and the loam disturbed by the removal of mushrooms should always receive a light sprinkling. Additional information furnished on request by the Pacific Pure Culture Company, Pacific, Mo.

## fruit and Plant Notes.

### SHRUBS ATTRACTIVE IN WINTER.

Nurserymen are frequently asked for varieties of shrubs which tend to brighten the landscape during the period when trees are more or less bare and cheerless. Shrubs for the winter period may be selected with at least two purposes in view. One is to give color and contrast by reason of peculiarities and characteristics of bark and the other is to secure plants which bear striking or attractive fruit.

It is not necessary that the peculiarity of the fruit or bark be such that it is regarded as intrinsically beautiful, for almost anything on the tree in winter time breaks the monotony of the winter-scape and adds a feature of picturesqueness to the view, thus the withered leaves of the Chestnut, the Oak and the Beach, as they cling to the partly bare branches are important features in giving variety to the landscape. So it is with the list of shrubs which have bright or varied colored bark, or bear clusters of variously colored fruits. These two groups of shrubs are exceedingly useful on the

lawn, in the park and cemetery and the shrubs which carries during the time when earth is covered by snow and shrubs are partly embowered in it, clusters of bright colored fruits, are exceedingly valuable for their suggestive purposes at least, in the winter landscape.

Among the shrubs with attractive bark are most members of the *Cornus* group. The *Siberian Cornus alba*, variety *Sibirica*, and *Cornus stolonifera* are two of the most useful sorts for this purpose.

Among the Willows we have the yellow bark *Salix vitellina*, the bright green golden bell, Forsythia and the yellowish green kerria.

Among the small trees and shrubby plants bearing attractive berries are the various members of the Barberry group. Two of the best are the common and the Japanese barberry. An old favorite is the Cranberry bush, *Viburnum opulus*, the black Alder, the Multiflora Rose, and Japanese Rose, *Rosa rugosa*. Another interesting plant of small tree proportions is the strawberry bush, *Euonymus*. This has a fruit closely resembling the climbing Bitter Sweet and just as attractive.

Among trees with striking red berries are all the thorns, of which the Scarlet Thorn and Cockspur are the most attractive. The Mountain Ash of course is to be included.

In addition to these we have a group of shrubs bearing variously colored fruits. Prominent in this group is the old-fashioned Snow-berry and the Indian Current. The latter is particularly useful for planting in hard soil and in exposed places. The Seabuckthorn, the Nanny berry, Siberian buckthorn and Regel's Privet are attractive small trees bearing fruit in winter time. The autumn is the best time to study these plants and they are constantly brought to our mind as we wander with open eyes in park and lawn.

## EDITORIAL WANDERINGS

### THE INLAND EMPIRE OF THE WEST

WHEN a man can carry his personal reminiscences of a region over a stretch of twenty years during the manhood period it makes him realize that the years are rolling rapidly. Twenty years ago the writer spent some months hunting dry land native grasses, in the valleys of Montana, Idaho, Washington, Oregon and Utah. He did not revisit that particular region till December, 1908. Needless to say he was amazed at the remarkable development apparent on every hand. The mining and lumbering industries have done much, but in most cases pronounced development has been dependent upon the cultivated products of the soil. These coupled with the domestic animal crop are doing more to add to the population and wealth, than spectacular mining propositions or huge lumbering enterprises. Dry land farming in Montana and Idaho, or irrigation combined with dry land methods in Washington and eastern Oregon, are transforming the face of the country. At the time of our first visit to the valley of the Yellowstone in Montana the old regime of the nomadic rancher prevailed. The diversified farmer had hardly appeared. Today the grazing limits are clearly defined and the wheat-grower, the dairyman and the fruit-grower are found on every hand. Twenty years ago a few daring fruit-growers were planting Duchess and Wealthy apples, Hyslop and Whitney crabs in the Bitter Root valley of Montana. Today that region captures third prize at the National Apple Show for the best car lot with a fine consignment of McIntosh. Livingston, the junction point for Yellowstone Park, in those former days

consisted of a "shack" railway station, a saloon, and a store or two. Today we find a handsome stone depot in the heart of a modern town. We well remember securing the only room in the saloon-hotel of Missoula very late on Saturday night and feeling a trifle nervous over the boisterous sounds emanating from the adjourning pool room. Now Missoula is a city of twelve to fifteen thousand whose citizens operate over one hundred automobiles. As the Bitter Root Valley has become noted for its fruit so the Gallatin Valley is famous for farm crops. While dry land farming is possible, water is available and assures the crop.

### DEVELOPMENT WESTWARD.

Of course this Montana region and the country westward is practically controlled by the Hill system of Railroads and the policy of these roads determines what parts of the country forge ahead. Montana is not opened up yet by any means and the great development will come later. It seems to be a fact that the country farther west has been given first attention. This is probably good business on the part of the Railway companies. The dependence of these sections upon water and transportation facilities is absolute. Many sections in the valleys of northern Washington are eagerly awaiting the arrival of water or railway or both. Given water and transportation, land values double and treble without improvement in the way of planting or building. This condition prevails also in south central Idaho where the Government irrigation projects are now



approaching completion. Now a waste of sand and sage brush covers much of the land, relieved here and there by an oasis of fruits or alfalfa, where an artesian well, or an irrigating ditch has provided the settlers with the crop producing water and gives promise of full fruition, when the larger irrigating enterprises now under way have been completed. Unimproved and unwatered land with the promise of water in the near future sells for twenty-five to forty dollars per acre, but the price will on the arrival of water, immediately advance to from sixty to eighty dollars per acre and much more when sown with alfalfa or planted to fruit trees.

#### FRUIT GROWING IN THE NORTH WEST PACIFIC.

The apple is the great crop of this irrigated region of Washington and Oregon. Formerly the prune occupied first place but the great successes of the Hood River and Yakima Valley apple growers have drawn attention to this fruit and the apple is king today. The orchards are not large. Blocks of five acres are being sold as being sufficiently large for one family. It is thought that one man cannot handle more than twenty acres advantageously. Culture is intensive rather than extensive. Trees are planted close—about a rod apart—with the intention of thinning later on; they are carefully pruned, sprayed and thinned. Not many of our eastern apple growers think they can afford to thin. These men feel that they cannot afford to leave their trees unthinned.

As to varieties Ben Davis is a back number in this region; Jonathan, Winesap and Spitzenburg are the great staples. Newton, Arkansas Black, Delicious, Winter Banana, King, Greening all have their advocates but the bulk of the planting is being made with the first three kinds. We saw many trees and a few small orchards of Ben Davis unpicked.

What does all this mean? Are we to infer that the west will drive the East out of the apple business? No we think not. But the West will undoubtedly capture the fancy apple trade of the country and it is up to the Eastern grower to guard his laurels very carefully, or he will be outstripped by the young, vigorous West where handsome apples are grown, where careful grading is practiced and where the product is sent to market in an attractive package.

It will not be all plain sailing for these western men, for enemies will appear, bad seasons occur and the constant handicap of a two thousand mile haul is ever upon them. On the other hand natural conditions are favorable and the fruit growers themselves are active and intelligent. In short the business methods which developed the citrus industry of California are being applied to this region. Success is sure to follow but there is no royal road, the price will be industry, intelligence and perseverance.

## Doings of Societies.

### NATIONAL HORTICULTURAL CONGRESS, COUNCIL BLUFFS, IOWA, December 14, 1908.

This was a combined exposition and convention following the Spokane Apple Show and held at the same time as the Omaha Corn Exposition. This enterprise starts on a good substantial basis. The promoting company has been incorporated. They have erected a substantial brick auditorium admirably adapted for the purpose.

The show consisted of State, district and individual displays. In the State exhibits Washington, Idaho, Utah, Maryland, Nebraska and Iowa were represented. The Washington display contributed by Wenatchee growers was impressive by reason of quantity and handsome appearance. Maryland, Idaho and Utah excelled in attractive displays in which various fruits were included. Maryland under management of Professor C. P. Close of College Park showed one of the most comprehensive exhibits of nuts ever shown, while Utah had a fine collection of dried fruits, in addition to a plate exhibit of apples and peaches.

Competition in plate exhibits was keen and the judges Messrs. Taylor of Denver, Marshall of Marshall Bros., Arlington, Neb. and Reeves of Waverly had their hands full in making the various awards.

A feature which attracted general commendation was the artistic character of the hall decorations. These were in charge of Mr. R. F. Wilcox

son of Mr. J. F. Wilcox the well known wholesale florist of Council Bluffs, who acquitted himself remarkably well for a comparatively inexperienced young man in this line of work. An excellent band presented pleasing musical numbers at intervals interlarded with a few informal addresses. Among the speakers were Mr. J. M. Irvine, of the Fruit Grower, Mr. Nikola Kaumans, agricultural attaché of the German Legation and Professor Craig, Department of Horticulture, Cornell University.

The annual meeting of the Iowa South Western Horticultural Society was held at the same time. It was the consensus of opinion that the Congress and Exposition should be continued as a permanent institution.

### WASHINGTON STATE HORTICULTURAL SOCIETY.

This society held a four day meeting during the week of the National Apple Show at Spokane. The sessions were well attended notwithstanding the attractions of the show. Much time was devoted to the consideration of the best means of combatting enemies of the orchard. Among the papers presented was one on spraying for the codling moth by a professor of the State College of Washington who

(Continued on page 12.)



An abandoned brewery now (reformed) used for growing mushrooms.



# The National Nurseryman

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## AMERICAN ASSOCIATION OF NURSERYMEN.

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Program—Jas. M. Pitkin, Newark, N. Y.  
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Exhibits—Thomas B. Meehan, Dreshertown, Pa.  
Arrangements—Geo. C. Seager, Rochester, N. Y.  
Editing Report—Geo. C. Seager, Rochester, N. Y.  
Entertainment—Wm. Pitkin, Rochester, N. Y.  
National Council of Horticulture—Chas. J. Maloy.

## STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.  
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.  
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.  
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.  
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.  
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.  
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.  
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.  
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.  
Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.  
Pennsylvania Nurserymen's Association—President, Thos. B. Meehan, Dreshertown Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.  
Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.  
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.  
Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.  
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.  
West Virginia Nurserymen's Association—President, W. A. Gold, Mason City; secretary, R. R. Harris, Harrisville, W. Va.

## THE NEW YEAR.

This is chiefly to wish the patrons and friends of the NATIONAL NURSERYMAN a cheerful, profitable and prosperous new year. The management generally joins the editor in presenting this sentiment in the heartiest manner possible.

The past year may not have been all that we could have wished. Some occurrences we might have avoided, others we could not. We didn't make the weather and we agree that grumblings and recriminations in this direction are vain. We didn't cause the money squeeze, but we felt it, though probably less than many others in the industrial field. Perhaps the experience was useful and will stand us in good stead another time. Let us hope "another time" won't come in our day.

The nurserymen have much to be thankful for. Despite financial conditions the outlook in almost all parts of the country was never brighter than at the beginning of 1909. It is our prediction that more fruit trees will be planted during the next decade than have ever been planted in any similar period in the United States. The Pacific North West is just finding itself as a fruit growing country. The Government irrigation projects are opening great areas in present time arid districts; the south and south west though temporarily checked will renew planting. Nut growing is taking hold where formerly peaches were dominant, and finally vast tracts of the rough lands of New England and Eastern New York will be planted to hardy fruits in this coming period. This is no dream but a practically assured certainty. Trees and plants for ornament in home making will be wanted in larger numbers each year. For all these things may we not then say "for what we are about to receive may the Lord make us truly thankful."

## ADULTERATED SPRAY MATERIALS.

In our last issue we drew attention to the important movement being pushed by a joint committee of the Association of Economic Entomologists and the manufacturers of chemicals for spraying for the passage of law regulating the degree of adulteration of substances. This matter is clearly presented by the chairman of this joint committee, Professor Sanderson of New Hampshire in another place in this issue.

Nurserymen are vitally interested in this measure and should take an active part in securing its passage. The orchardist and nurseryman should know when he is buying Paris green, arsenate of lead, or other insecticide what percentage of the essential poison each brand contains. This is in line with fertilizer examination and also in line with the more recently enacted pure food laws. It is a federal measure, therefore write to your congressman and senator urging them to support the bill, copies of which may be obtained by writing to this office, or to Professor Sanderson, Durham, N. H.

With the rapidly developing orchard interests in the Rocky mountain region and the Pacific north west, the question arises where is the New Englander to come in as time goes on. Is he to fall out of the race and if so why? Why should he fall out? Has he



not the finest markets of the country near at hand? Is not the soil and climate the same as in former days? Perhaps the soil has been badly treated but it is certainly not worn out for fruit trees. The climate, the soil, the markets are there, only men and money are wanting. The call of the west is strong, but let no one believe that opportunity—that inspiring word—exists only for the west. There are men in each of the New England States who are proving most conclusively that opportunity and resource in fruit growing exists right at home for the man of energy. The great difficulty with many of our fruit growing enterprises in the east is that they are not sufficiently financed. No business man expects to swing a proposition (though some may try) without an adequate amount of capital, yet the fruit farmer often goes in with no capital except energy and youth. Business men on the Pacific coast are engaging in fruit growing and they will do so in the east when the practical man demonstrates its feasibility. Men are willing to wait for returns from mining ventures besides taking long chances. Why not engage in something infinitely more attractive and at the same time reasonably remunerative.

#### SOIL SURVEYS.

That the soil specialists of the U. S. Department of Agriculture are energetic and optimistic workers, is shown by the following statement sent out from Washington under date of October 25th:

"It is the confident prediction of experts from the bureau of soils, who have just completed an investigating tour of New York State, that within a reasonable time and without great expense the 227,000 farms of that state will be put to their greatest economic use, and that every acre of land will be planted in crops best suited to the land. The full importance of this prediction can only be realized when it is considered that at present there are hundreds of untilled farms in New York; that thousands of farms are barely paying; that thousands of farmers are attempting to raise crops for which their soil is unsuited, and that hundreds of young men are leaving their heritages because they have never been apprised of their true value. All these conditions have arisen notwithstanding the fact that New York shows a wonderful diversity of soils, well suited to the production of all sorts of farm crops and all the market and garden crops which can be raised in northern latitudes; in fact, the records show that few states in the Union possess such a diversity of soils and such capacity for agricultural riches." It is up to the farmer and fruit grower to get into touch with the Bureau of Soils. Find out what you can grow by all means and if this is what you can sell, then you are well fixed indeed.

#### THE NATIONAL APPLE SHOW.

Many people have been curious to know the outcome of the extensively advertised apple show held at Spokane, the early part of last month. In a word it was a magnificent success. "More apples than

were ever brought together in a single exhibit" said one of the judges. This was literally true for there were prizes for car load lots—and prizes worth while. It is worth while

taking a fling at a \$1500 prize even if it takes a carload to make the entry.

Never before was there such a blaze of color due to a display of highly tinted apples and this is where the western apple shines. The color is truly wonderful. Winesap, Arkansas Black, Spitzenberg, Jonathan, take on deep rich tints only suggested in other regions and their size is fully in keeping with the color. Under irrigated conditions a product of wonderful beauty is developed. Our western friends do not claim everything, however, and are willing to concede that the largest size is not correlated with the highest quality. On the other hand appearance sells the fruit and the best varieties are very good.

There was keen competition in most of the sections as for instance in the "District Display" there were twenty-three entries. It might be said that the contest as a whole was a four cornered one between the Hood River, Wenatchee and Yakima Valleys of Oregon and Washington; and British Columbia, the latter making the fourth important factor. Wenatchee Valley secured the largest share of first premiums. The fruit was beautifully colored, uniformly graded and remarkably free from blemish. In addition, the installation in every case was exceedingly artistic. Wenatchee captured both car lot and district display prizes; British Columbia with exhibits from Kelowna and Grand Forks made an excellent showing securing second on district display with a beautiful collection correctly named and absolutely sound.

The car lot and district classes aroused keen rivalry and the judges were obliged to justify their awards by giving each entry a copy of his score card.

Outside of Oregon, Washington and British Columbia there was comparatively little competition. Idaho sent in some good fruit while Montana secured third prize on a car lot with an entry of McIntosh Red from the Bitter Root region. Very fine they were too. North Carolina sent an interesting collection for exhibition only. New York was represented for a day or two by three barrels of poor commercial stock sent forward in a heated car. This exhibit created such an uproar on the part of former New Yorkers who "knew better" that it was withdrawn. It appears that the Apple Show management desiring a good representative sample of the commercial apples of the east telegraphed to Messrs Simon, Shuttleworth & Co., of New York to forward them as soon as possible by express. What steps this firm took to secure them are not known, but the result through carelessness or poor judgment was certainly very bad. A poorer lot of Russets and Baldwins it would be hard to find. By their connection with this transaction it is safe to say that the firm in question did not bring glory upon itself either in the east or in the west. It looked like gross carelessness, or cold blooded indifference, neither quite defensible by large New York apple buyers.

The one judge system with score card was employed throughout. The list included the professors of Horticulture of Oregon, Washington, Idaho, Montana, Iowa and New York and Senator Dunlap of Illinois. The judging covered the greater part of three days, and the principal actors heaved a sigh of relief when the job was done.



The attendance at the show was large and the financial returns such that the management is already making plans for another larger and bigger, in 1909. A part of the crowd was undoubtedly attracted by the really first class vaudeville each afternoon and evening. There was no lion tamer but there was an equally interesting individual in the person of a "bee tamer" who took remarkable liberties with a lively hive of bees, in a wire screen enclosure. Little stunts like dropping a handful of bees into his shirt bosom or into his hat and then putting it onto his head were nothing to him. This prince of "Bee Tamers" comes from W. J. Bryan's town, in Nebraska and hands out a line of eloquence almost equal to the "peerless" one while taking remarkable liberties with him or her of the stinger.

Perhaps this show has done more than any other one thing to draw attention to the superior advantages of the box package as a receptacle for high class fruit: Eastern fruit growers must recognize this. A few years ago commission men and fruit dealers in the east discouraged the box as an apple package, now they accept it without demur. It has come to stay.

#### DOINGS OF SOCIETIES—Continued from page 9

proved quite conclusively and to his own satisfaction during the course of a two hour address, that a single spraying with arsenate of lead gave him over 99 per cent of uninfested fruit. The burden of his story was that if a coarse spray was applied to the tree at the right time and driven into it with considerable force the calyx cup would be filled with the poison and as practically all the first brood enter through the calyx cup they were therefore, "dead ones"; the first brood being killed off, there would be no second or successive brood: Moral: destroy the first brood. The expounder's faith in the certainty of the results was not shared by all his hearers. The logic is sound any how whether the results back it up or not.

#### ILLINOIS.

The State Horticultural meeting was held as usual at Champaign and took the form of a short winter course extending over two weeks. Professors Whitten of Missouri and Waugh of Massachusetts assisted the local instructors.

#### INDIANA.

The badger state held its usual winter meeting under favorable circumstances. Considerable interest was centered on the topic introduced by Professor Hedrick of Geneva Experiment Station, New York, on comparisons between tilled and sod mulched orchards. The New York experiments favor tilling.

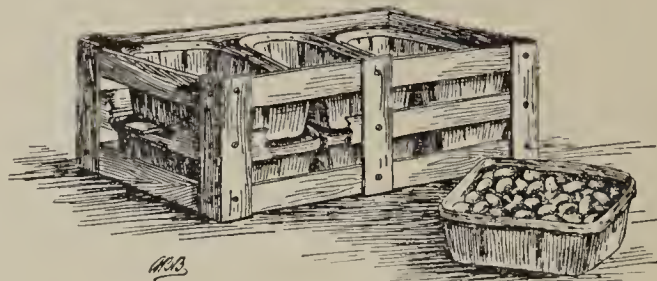
#### MICHIGAN.

The annual meeting of this energetic organization proved as interesting as usual. President L. A. Goodman of the American Pomological Society and Professor S. A. Beach of Iowa contributed to the interest of the meeting.

#### NEW YORK.

The meetings of the two great societies of this state occur in January. The State society holds its sessions in

the opera house, Medina the first week, while the Western New York Society meets in the fine new auditorium in Rochester, January 27-28. E. C. Gillett, Penn Yan, is secretary of the former and John Hall, Granite Building, Rochester of the latter.



(See article on Pure Culture Mushrooms)  
A Convenient crate for shipping mushrooms.  
(From Farmers Bulletin 204).

#### NEW JERSEY HORTICULTURAL SOCIETY.

Fruit growers of New Jersey meet in the State House, Trenton, January 6 and 7, 1909, at their annual convention. Among the subjects to be considered are:

The Relation of Weather to the Setting of Fruit, by U. P. Hedrick of the New York Experiment Station, Geneva.

Landscape Gardening, by A. D. Taylor, of Boston, Mass.

The Relation of Public Schools to Rural Homes, by H. W. Collingwood, of the Rural New Yorker.

Soils for Fruits, by Dr. E. B. Voorhees, of the New Jersey Experiment Station.

Adaptation of Variety to the Soil, by L. C. Corbett of the Bureau of Plant Industry.

Spraying, by Dr. J. B. Smith, New Jersey State Entomologist.

#### ORGANIZATION OF VEGETABLE GROWERS.

A new association for the purpose of promoting the interests of those connected with the forcing and field culture of vegetables was formed in Cleveland the last of October.

The purpose of the organization is to promote the growing and marketing of vegetable crops. Two classes of membership were provided; life membership is open at a fee of fifteen dollars; annual memberships cost three dollars for the first year, and two dollars each year thereafter.

The following officers were elected: President, E. A. Dunbar, Ashtabula, Ohio; vice-president, S. J. Perry, Grand Rapids, Mich.; secretary, S. W. Severance, Louisville; treasurer, S. B. Chester, Cleveland.

President Dunbar announced this executive committee:

Franklin De Kleine, Grand Rapids, Mich.; Richard Hittinger, Belmont, Mass.; W. J. Ritterskamp, Princeton, Ind.; W. F. Massey, Salisbury, Md.; C. W. Waid, New Carlisle, O.; W. D. Weinschenk, New Castle, Pa.

#### TEXAS STATE HORTICULTURAL SOCIETY.

A joint meeting of the Texas State Horticultural Society, Texas Nurserymen's Association, and Texas Nut Growers' Association will be held at Brownsville, January 13-14, 1909. The South Texas Truck Growers are also expected to meet with the above associations. The following chairmen of committees were appointed to co-operate in order to secure a successful meeting: Prof. E. J. Kyle, Sec., Texas State Horticultural Society; J. S. Kerr, Sherman, Sec., Texas Nurserymen's Association; H. B. Beck, Denton, Sec., Texas Nut Growers' Association; H. C. Styles, Raymondville; Prof. E. C. Green, Brownsville.



## Legislation.

### NURSERY INSPECTION IN TEXAS.

It is reported that Commissioner Cone of Texas will recommend the removal of the inspection fee now levied upon orchardists and nurserymen in the Lone Star State. There are many states in which inspection is required but in most of these states it is paid for by the state itself. In Texas however, not only is the nursery inspection obligatory but the cost of inspecting is paid by the owner himself.

### NEW LAW IN COLORADO.

Editor National Nurseryman:

A new horticultural law goes into effect in Colorado on the first of January, 1909. Doubtless nearly all of the nurseries shipping into this state take the NATIONAL NURSERYMAN. I thought it would be but fair to notify them through your columns of the change in our law and suggest that any who intend shipping into the state write for particulars. So if you care to insert it, perhaps something like the following paragraph would be of interest to your readers:

"All nurserymen intending to ship nursery stock into Colorado should be acquainted with the requirements of the new horticultural law in that state which will go into effect January 1, 1909. The law requires that certificates of inspection shall accompany all nursery stock coming into the state. All nursery stock that has not been satisfactorily disinfected will be subject to fumigation in Colorado before being delivered to the purchasers. Certificates of inspection or fumigation will not in any case bar the state entomologist or any horticultural inspector from examining stock to determine whether or not it is entirely free from injurious insects in any stage of development, or of plant diseases that are likely to be distributed to the injury of the purchaser. The law will be rigidly enforced, so it is quite important that all nurserymen acquaint themselves with the provisions of the act before shipping into this state.

For fuller information address C. P. Gillette, State Entomologist, Fort Collins, Colorado."

Ft. Collins, Col.

C. P. GILLETTE.

### NATIONAL LEGISLATION FOR PURE INSECTICIDES.

PROFESSOR E. D. SANDERSON.

Chairman Executive Committee in Charge of Legislation.

A bill now before Congress (H. R. 21318) introduced in the last session by Hon. Mr. Lowden, of Illinois, which provides for "preventing the manufacture, sale, or transportation of adulterated or misbranded fungicides, Paris greens, lead arsenate, and other insecticides and for regulating traffic therein," is of interest to every fruit and truck grower and user of insecticides. Users of insecticides and fungicides have had sufficient experience with cheap substitutes for standard articles and with various quack remedies to appreciate the necessity for such legislation, and but few states at the present time have any laws to insure the purity of insecticides and fungicides.

Inasmuch as practically all of these are manufactured in less than half a dozen states, it would seem that much the simplest way to insure the control of their purity is by national supervision of those which go into interstate commerce. Otherwise, every state will need to enact legislation and provide all the machinery for the collection and analysis of insecticides and fungicides used in that state. By having the work done by a federal agency, it can be done much more cheaply and effectively. Furthermore, the differences in the state laws make it difficult for the manufacturer to put up his goods to comply with all of them. There can be no question that there is fully as much necessity for the control and purity of insecticides and fungicides, as for fertilizers or drugs.

Two products which have recently come into popular favor show the necessity for such legislation very strongly. Arsenate of lead has come into wide use as an insecticide for orchard and shade tree pests, during the past few years. Recent analysis shows that while it should contain 12 to 15 per cent. of arsenious oxide, one brand contains but four or five per cent., and is a very palpable fraud, altho

practically all of the other brands are approximately up to the standard. Prepared bordeaux mixtures, and similar fungicides have recently been placed on the market by several manufacturers. Many of these have very distinct merits for those who are using but small quantities, but some contain a very small amount of copper sulphate and are relatively inefficient even when used according to directions, and exceedingly expensive in any event. Inspection and analysis which would show the exact value of these goods would tend to their standardization and would be of distinct value to the consumer.

The bill now before Congress seeks to prevent the manufacture in any territory or the distribution in interstate commerce of any insecticide or fungicide which is adulterated or misbranded as defined in the Act. The standards for the purity of Paris green and lead arsenate are defined in the bill. Other insecticides and fungicides are considered adulterated if the strength or purity fall below the professed standard, under which they are sold; if any substance has been substituted for the article; if any valuable constituent of the article has been abstracted; or if the use of the article on vegetation is injurious to vegetation when used as recommended by the manufacturers.

The misbranding of insecticides or fungicides is defined "to include: any labeling of a package, which is false or misleading; if the article be an imitation, or offered for sale under the name of another article; or if the contents are stated in terms of weight or measure they are not plainly or correctly stated on the outside of the package. Insecticides and fungicides will also be deemed to be misbranded if they contain arsenic, if the total amount of arsenic and the amount of water soluble arsenic, which is the form which injures vegetation, are not stated on the label.

The bill provides that its enforcement shall be in the hands of a Board, composed of the Secretary of the Treasury, Secretary of Agriculture, and Secretary of Commerce and Labor, and that the analyses are to be made by the Bureau of Chemistry of the Department of Agriculture. In this and in other details the bill follows very closely the Pure Food and Drugs Act, and would be enforced in practically the same manner.

This measure was originally suggested by a Committee of the Association of Economic Entomologists and from the beginning has received the hearty support of practically all the entomologists and agricultural chemists of the country. In order to insure that the measure was fair to the manufacturing interests and that it would receive the support of the manufacturers, a conference of manufacturers with representatives of the entomologists and chemists was held at New York City, in June. The measure was carefully discussed and certain amendments were proposed, which will be introduced (or have been) in the coming session of Congress. As a result, practically all the leading manufacturers of insecticides and fungicides are heartily in favor of the measure and will support the consumers in their demand for its passage. The greatly increased consumption of insecticides and fungicides has developed a considerable business for the manufacturers of these goods, who realize that any legislation which tends to standardize the quality and to prevent fraudulent and quack articles will insure larger business and increase consumption for reliable brands.

The measure is having the hearty support of fruit and truck growers' organizations throughout the country. Whether it will be passed by Congress, will depend very largely upon the attitude of the agricultural public. If the members of Congress and the members of the Committee of interstate and foreign commerce of the House of Representatives and the Committee on agriculture and forestry of the Senate are convinced that there is a popular demand for such legislation, there will probably be little difficulty in passing the measure, as no serious opposition to it is apprehended. It is incumbent on the users of insecticides and fungicides to communicate with their congressmen, if they desire such legislation, for Congress can hardly be expected to give consideration to legislation for which there is no popular demand. The NATIONAL NURSERYMAN believes this measure should have the hearty support of its readers and suggests that they communicate with their congressmen concerning it at once.



### DERRICKS FOR LIFTING TREES.

The interest in the transplanting of trees of considerable size in the development of park and city property is increasing. There are many who cannot wait for trees to grow, who can afford to buy the ready-made article. This is so much the case that it is developing a special type of planting business which includes lifting and handling of partly grown or fully matured specimens. Various types of lifting machines have been devised for the transplanting of trees, of considerable size. The Parker Derrick described below is one of those which is coming into quite general use. It is manufactured by the Parker Hoist and Machine Company of Chicago, whose offices are located in the Old Colony Building, Chicago. Branch offices of this company are also maintained in Minneapolis, Pittsburg, New Orleans, New York and San Francisco.

The special features of this derrick are described in the following article taken from *Municipal Journal and Engineer*:

The Parker Derrick No. 1 is a device which is designed to be of special service in handling water or sewer pipe for the removal of material from trenches or for any purpose where the weight to be lifted does not exceed 1,500 pounds. The derrick itself weighs only 500 pounds and the heaviest piece but 160 pounds, so it is possible for two men to erect it in fifteen minutes.

The derrick is very simple, consisting of only five parts, mast, boom, winch for operating boom, gear frame and post with frame. The mast and boom are made of selected Norway pine, ranging in length from 12 to 18 feet. The winch for operating the boom is needed only where a load of 1,000 pounds or more, is to be set in place with care.

The gear frame or body of the derrick is made of gray cast iron. All shafts are made from cold rolled steel and rest in babbit bearings. The post on the No. 1 derrick is made of three-inch extra heavy pipe. The gear frame and hollow post are the patented features, and the hollow post affords a passage for the rope to the bottom when it is desired to use other than hand power.

In erecting, the post, attached firmly to its base, is set in place and the gear frame slipped into place. The light mast with the four guy lines, blocks, hoisting and boom cables is then raised up and set in its socket in the gear frame. The boom is fastened to the gear frame with a steel pin.



Some of the advantages claimed for this derrick are that it will stand upright without guys when not loaded. When held in place with guys the boom can turn in a complete circle, and when held with stiff legs can turn three-fourths of a complete circle.

When it is desired to use other than hand power, the base is raised on blocks and shieve brackets are attached to the boom and to the bottom of the hollow column and the cable run through these. Either horsepower or mechanical winding drums can be used.

If loads heavier than 1,500 pounds are to be handled, the No. 4

derrick, which handles loads up to 4,000 pounds, can be used. This is somewhat heavier than the other and has sticks 6 x 6 instead of 4 x 6.

## Business Movements.

Henry S. Dawson, son of Jackson Dawson, the well known propagator of the well known arboretum, has taken over the management of the Eastern Nurseries located at Jamaica Plain, Mass. Mr. Dawson expects to make a specialty of high grade ornamentals.

### FRUIT GROWING CO. INCORPORATED.

The Perry Plantation Company, Town of Union, has been incorporated with a capital stock of \$10,000. The company is incorporated to cultivate, etc., citrus and deciduous fruits, pine-apples, vegetables, etc., in Puerto Principe Province, Cuba, and elsewhere. The incorporators are David H. Garrison, Duane C. Perry and John H. Ehlers.—*Fruit Trade Journal*.

### RAILWAY LITIGATION.

A verdict has been rendered in favor of the Leonard Seed Co., Chicago, amounting to \$255.25, against the Big-Four Railroad, growing out of a suit for damages to a shipment of onion sets made a year or two ago over the line of the defendant. The shipment was sent to an Indiana point and upon arrival at destination the consignee declined to accept the shipment, claiming that the onion sets has been damaged by delay. Thereupon the Leonard Seed Co. instructed the railroad to return the shipment and verdict was given for the full amount of the claim.—*The Weekly Florists' Review*.

### A SECOND GENEVA NURSERY COMPANY.

John M. Twoomey formerly of the Reliance Nursery Company of Geneva, N. Y. has recently reorganized and incorporated under the name of The Geneva Nursery Company. This selection of name does not appear fortunate or happy for the new organization as the W. & T. Smith Company of Geneva have been doing business for over fifty years under the name of The Geneva Nursery and have established a national reputation that is likely to continue to direct and very deservedly, trade intended for The Geneva Nursery or Company into the old channels.

### DELICIOUS APPLE: ANJOU PEAR.

The editorial office of the NATIONAL NURSERYMAN wishes to remark that there are few finer fruits than Delicious apple and Anjou pear. We do not say this simply because our good friends Messrs Stark Bros. of Louisiana, Mo., sent us a couple of boxes of the former for Christmas and Messrs Ellwanger & Barry a box of the latter for Thanksgiving. These two varieties are certainly the upper crust of their respective and aristocratic pomaceous families.

Said an English friend who dined with us a day or two ago speaking of the Delicious, "This is the finest apple I have eaten in America." We are divulging no family secret when we say, it is the madam's favorite and she is a good judge. The flavor certainly contains a pleasanter mingling of pear and apple qualities than is found in few, if any other apple.

The good points of the fine old Anjou pear are so well known as to make mention unnecessary. It is truly pear like and that is good enough. These two fruits should be in every home maker's garden where apples and pears can be made to grow.



## Note and Comment.

### THE APPLE MARKET.

There was a notable advance in the prices of apples both in the home and foreign markets during the last week in October and the early part of November. Early November advices from Liverpool indicated that the prices had advanced at least 15 per cent. and growers in Western New York who had not sold their fruit and who were sure of the grade were slow in accepting anything under \$3 per bbl. Many people are of the opinion that the year is going to turn out a good one for buyers who secured fruit under \$2.75 per bbl. The arrival of cold weather gave new impetus to the market and restored confidence in a remarkable degree. In Chicago a great bulk of Western boxed apples is being distributed, and apparently at satisfactory prices. The year promises to redeem its immediate predecessor.

The Almeria Grape market in New York was somewhat demoralized during the last week in October by an attempt of the importers to fix a minimum price. The buyers objected and practically struck, so that for a time there was a dead lock. It appears that the Almeria Grape crop is somewhat short this year and there is a strong under-current of opinion on the part of the growers and importers that some advantage should accrue to them from this condition. The effort was not very successful, however, and last reports quoted a falling off in the price.

Messrs. Glen Brothers of Rochester, report a large sale and increasing interest in the Sober-Paragon Chestnut. This variety is being extensively planted in the chestnut growing section of Pennsylvania.

The B. G. Pratt Company, manufacturers of "scalecide", New York, are sending out to their patrons an interesting and useful souvenir, in the way of a pocket diary which in addition to the ordinary calendar pages, contains directions for making and applying scalecide and other useful information in reference to spraying. The note book diary is certainly an excellent method of advertising a useful substance. This diary and spraying calendar is offered free to any fruit grower who may write for it. The address is B. G. Pratt Co., 50 Church Street, New York.

### THE KEEPING OF APPLES.

In a bulletin of the New Hampshire Station, F. W. Morse brings out in a very striking manner the fact, that the steady loss of weight which fruits such as apples undergo even under most favorable conditions in storage is due to a process of breathing similar to that occurring in animals, whereby oxygen is taken in and carbon dioxide given out.

Since apples and other fruits have no body to maintain, the breathing process is not so active as in animals, and they may last months after being picked from the tree. Yet there is a steady, continuous loss in weight as the weeks go by, although the fruit is sound and firm.

This breathing, or respiration is stated to be "partly a chemical reaction, and in apples, like most chemical reactions in the laboratory, it grows more rapid as the fruit becomes warmer and is slowed down when the fruit is cooled." Professor Morse's experiments indicate that these chemical changes "take place from four to six times as fast at summer temperatures as in cold storage, and from two to three times as fast in cool cellars as in cold storage."

There is a practical application of this law to be made to the care of fruit, especially at apple picking time.

It is frequently the case that warm days with temperatures of 70 degrees F. occur in October, sometimes continue for a considerable period. Fancy apples intended for long keeping in cold storage should be cooled as soon as possible and kept cold. The

breathing process is at the expense of cell contents weakening the keeping qualities as it goes on. And this destructive action is from four to six times as fast out of cold storage as inside it.

Another fact in connection with the respiration is important. It is not stopped in cold storage, but simply retarded. Apples can not be kept indefinitely, but keep about twice as long in cold storage as in a cool cellar.—*U. S. Department of Agriculture Bulletin* 3,34.

### EFFECTS OF COLD.

Freezing is in effect drying; the water is taken out of the tissues of the plant and changed for the time into ice. If the tissues are unable to take water again they necessarily die. Sometimes the injury is apparent as soon as the tissues have thawed, but many cases of winter killing do not become evident until the vigorous growth of early summer begins.

In general the trees native to a given section resist injuries of this kind. Yet much can be accomplished in growing exotic trees, at least to a certain age, by careful attention to their location, and if a naturally sheltered place is not available they can be protected by screens of native evergreens.

Many trees, especially smooth-barked ones, have their trunks and larger branches injured on the southwest side by the freezing and consequent death of patches of bark. During the warmer winter days there is sufficient heat at noon to stimulate portions of the growing layer into premature growth; such tissue is killed if cold weather follows immediately. The injury often, does not become manifest until well into the summer. The dead tissue forms a favorable place for the growth of parasitic organisms and such a tree usually dies from rotting in a few years. This trouble must not be confused with that type of sun scald which is due simply to extreme heat in summer, when the growing layer may be literally cooked. Such cases occur most typically in the arid sections of the Southwestern States.

Trees that are worth the care are best protected by wrapping the parts liable to this sort of injury with straw or paper. Often merely shading the part liable to this injury with a board or shingles is sufficient to prevent it.

Another winter injury often confused with freezing is actual drying out. This may occur anywhere, but most typically in the higher altitudes of the West, where the dry and rarefied air and bright sun favor evaporation from the tree surface of more water than the roots can obtain from the cold and frequently sandy or gravelly soil. Evergreens are especially subject to this difficulty, since their leaves transpire to some extent throughout the winter. Whatever conserves the moisture of the soil tends to decrease this injury; for example, mulching and fall or winter irrigating. Trees normally hardy will often winterkill if unable to ripen their wood completely; this often happens as a result of defoliation in late summer.—*Year Book Department of Agriculture* 1907.

### MAINE STATE SOCIETY.

The Maine State Pomological Society met at Waterville, November 10-12. Among the subjects presented were "Present Orchard Conditions" Prof. E. F. Hitchins, "Orchard Cultivation" Prof. W. L. Hurd, "Legislation to Promote Apple Growing" Dr. G. M. Twitchell, "Starting a Commercial Orchard" Prof. F. C. Sears Mass., "Pleasure and Profit in Apple Growing" Clark Allis, Medina, and "Horticulture in Europe" Prof. John Craig, Cornell University.

President Wm. Craig, Auburn, Me. The Association put itself on record as favoring legislation which would promote uniform packages and honesty in grading the fruit. The legislature will be asked to enact a statute prohibiting fraudulent packing.

"We await each month with much interest the arrival of the NATIONAL NURSERYMAN, and assure you of our continued best wishes for your success."

THE DES MOINES NURSERY CO.

J. W. HILL, President.



## Obituary

### DR. JAMES FLETCHER

Entomologist and Botanist of the Dominion Experimental Farms, died on Sunday, November 8, 1908.

### WESTERN NEW YORK HORTICULTURAL SOCIETY.

Secretary Hall says it will meet in Convention Hall, Rochester January 27th and 28th.

"Every accommodation in hotels. Hall commodious, list of speakers superb, lantern slide talks a prominent feature. Big display of spraying apparatus; bigger display of fruit. Promise of a record-breaker meeting."

### TEXAS STATE HORTICULTURAL SOCIETY.

#### STANDING COMMITTEES.

Article 6 of the Constitution: "As soon as possible the President shall appoint the following Standing Committees (as named below), and they shall be required to give a report in writing, under their respective heads, at the annual (Summer) meeting of the Society of what transpires during the year."

In accordance with the above requirement, I hereby make the following appointments:

APPLES: A. D. Jackson, Denison; W. F. D. Batzjer, Abeline; T. E. Shirely, Hereford; J. W. Higginbotham, Dublin; F. K. McGinnis, Terrell.

APRICOTS, CHERRIES: J. M. Howell, Weatherford; D. J. Muncey, Lockney; R. C. Campbell, Winsboro.

CITRUS FRUITS: H. C. Styles, Raymondville; W. G. Ponton, Beeville; W. E. Hudson, Edna.

FIGS: R. W. Holbert, Arcadia; R. H. Bushway, Algoa; C. Hanson, Rockdale.

GRAPES: T. V. Munson, Denison; W. S. Hotchkiss, Troupe; L. L. Freeman, Barstow; C. L. Edwards, Dallas.

PEACHES: J. F. Sneed, Tyler; J. W. Scott, Denison; G. Onderdonk Nursery; Dr. J. W. Cartwright, Amarillo.

PLUMS: F. T. Ramsey, Austin; J. L. Downing, Wichita Falls; A. L. Bruce, Clarendon; F. B. Guinn, Rusk.

PEARS: G. A. Schattenberg, Boerne; J. S. Kerr, Sherman; A. B. Duncan, Floydada.

SMALL FRUITS: R. H. Pirtle, Cleburne; C. W. Wood, Swan; R. Orton, Manor.

NUTS: C. Falkner, Waco; E. E. Riesen, Rescue; H. A. Halbert, Coleman.

NEW FRUITS: E. W. Kirkpatrick, McKinney; Walter Durham, Austin; Prof. E. J. Kyle, College; E. W. Knox, San Antonio.

ORNAMENTALS: J. B. Baker, Fort Worth; W. A. Yates, Brenham; J. S. Kerr, Sherman, Otto Locke, New Braunfels.

FLOWERS: Prof. H. Ness, College; H. Nicholson, Dallas; Mrs. Ellen Leach, Galveston.

INSECTS: Prof. C. E. Sanborn, College; Prof. Herrick, College; A. M. Ferguson, Sherman.

FUNGII, DISEASES: Dr. C. M. Ball, College; F. W. Malley, Garrison; S. H. Dixon, Houston.

ORNITHOLOGY: H. P. Atwater, Houston; Capt. Davis, Waco.

BOTANY: Prof. H. Ness, College; C. L. Edwards, Dallas; A. M. Ferguson, Sherman.

SOILS, FERTILIZERS: Prof. F. G. Fraps, College; J. Brister, Hico; L. P. Landrum, Hereford.

FRUIT STATISTICS: S. H. Dixon, Houston; E. W. Winkler, Austin; T. G. Simpson, Jacksonville; C. Falkner, Waco.

HORTICULTURAL EXHIBITS AT FAIRS: C. A. Hotchkiss, Dallas; D. W. Ford, Madisonville; W. A. Schultz, Bangs.

VEGETABLES: W. S. Hotchkiss, Troupe; E. C. Green, Brownsville; A. W. Hopkins, Denison.

Respectfully,  
WILL B. MUNSON, *President.*

The "National Nurseryman" is in receipt of a very pretty calendar from the Mount Hope Nurseries, A. C. Griess, of Lawrence, Kans. It bears a large reproduction by color photography of Cascade Fall, Yosemite Valley, an original painting by Thos. Moran.

The National Nurseryman,  
Rochester, N. Y.

Gentlemen:

The past fall has not been a very prosperous one with the Strawberry plant growers for the reason that the severe drouth not only cut the plant crop very short but prevented digging at times. I expect a profitable business for spring as plants are very scarce, and prices are going to be very high. Therefore, those who have plants will realize good returns. My supply is not as large as usual, but what plants I have are very fine. I am well pleased with the inquiries I am having for spring from your paper and am with you to stay. Expect next season to increase my space. Our acreage for next season will be a great deal larger than this season. We already have most of our ground prepared for planting, and a great many acres already planted.

Yours truly,  
W. W. THOMAS,  
Anna, Illinois.

January 1, 1909.

The National Nurseryman,  
Rochester, N. Y.

Dear Sir:

We wish to announce that Mr. R. I. Leon was elected to the office of Secretary-Treasurer in place of our former Secretary, Mr. R. B. Shanklin, who is not connected with our firm at present.

Very truly yours,  
THE WINFIELD NURSERY CO.  
J. MONCRIEF.

**Situation Wanted.** By a stenographer and general office girl. Has had nearly two years experience in Nursery office. Can take good care of all letter filing. Can give the very best of references. Prefer a place within one hundred miles of Milwaukee or Chicago. Will furnish own machine if necessary. Would be willing to start for \$10. per week.  
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Plant Raspberries for this fruit is in great demand on our markets today. The Superlative Raspberry leads as 3 to 1 of any other variety. Leading nurserymen will catalogue this berry, using copy of my cut, this coming season.

Send your name and address for 1909 catalog, now ready.

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**FOREST and HEDGE PLANTS**

**Dwarf Roses**

Price List and special offer on application.



## A LAYMAN'S VIEW OF APPLE DAY.

We are unqualifiedly in favor of apple day as a fixed annual observance.

The declaration is made without mental reservation or dietary forebodings. To the extent that such a thing is consistent with the comprehensive and exacting duties of a newspaper of today, the Free Press is an apple organ.

There is a tradition carrying every badge and sanction of truthful origin that the apple was mixed up in the advent of original sin, but we can only figure from an unprejudiced point of view that the apple was an innocent bystander, an unconscious agency, the means of a predestined end, a—well, you understand.

Even if the apple did win a bad reputation, it has lived the thing down. Putting aside the apple of Sodom, the apple of discord, the apple of love, the apple of your eye, the crab apple, the apple cart that is so frequently upset, the apple graft and the merry apple bee that lives in memory with the good old quilting bees, there are thousands of varieties of apples, and they are the queens of the orchard that steal their complexions from the sunlight.

Solomon sang, "Comfort Me with Apples," and what Solomon did not know about being wise remains in the unexplored land of mysteries. The possibilities of the varied fruit permit of no limitations. New England waxed strong and aggressive on hard cider, and when there was a union with native rum, war accompanied. Applejack and apple brandy have been potent factors in keeping the solid south solid. Half a dozen drinks at a sitting "applefied" a man.

Recall the apple butter you used to stir in the old copper kettle? Did you ever lie under an apple tree until hopelessly under the influence of its seductive fruit? What do you know about "apple-sass," preserves, stews, puddings, dumplings and all the rest of the productions of the culinary department in that line?—*Detroit Free Press.*

"There's rosemary, that's for remembrance, and pansies, that's for thoughts."—SHAKESPEARE.

"Lovely flowers are the smiles of God's goodness."

—WILBERFORCE.

"If human life be cast among trees at all, the love born to them is a sure test of its purity."—RUSKIN.

"Overflowing blooms, and earliest shoots,

Of Orient green giving safe pledge of fruits."

—TENNYSON.

"What would the Rose with all her pride be worth,

Would there be no sun to call her brightness forth?"

—MOORE.

"Rose! thou art the sweetest flower

That ever drank the amber shower:

Rose! thou art the fondest child

Of dimpled Spring, the wood nymph wild!

Even the gods who walk the sky

Are amorous of thy scented digh.

Then bring me showers of roses, bring,

And shed them around me while I sing."

—MOORE.

"Poplars and alders ever quivering play'd

And nodding cypress formed a fragrant shade.

—POPE.

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400 varieties of Conifers, 1 to 4 feet high.  
400 varieties of Perennials.  
800 varieties of New and Old Roses.

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Write direct to us and  
ask for WHOLESALE  
CATALOGUES

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

BARBIER *and* CO., Successors,

Orleans, France

The Commercial Nursery Co.  
of WINCHESTER, TENN.

Offers a General Line of Nursery Stock  
Specially heavy on Peach Trees  
—promise to be very fine  
this season.

Can supply in car load lots. Write us  
for prices and give us a trial, we  
will try and please you.

COMMERCIAL NURSERY CO.  
HARRY NICHOLSON, Mgr.

Victor Détriché

Angers, France

Wholesale Grower and Exporter of Fruit-Tree  
Stocks, Forest-Tree Seedlings, Rose Stocks, Shrubs,  
and Conifers for Nursery Planting.

Write for special price-list and catalogue.

CLARK NURSERY CO., Rochester, N.Y.

Sole Agents for the United States.

"YOU GET WHAT YOU ORDER."

35TH YEAR

Pan Handle Nurseries

WE OFFER A COMPLETE ASSORTMENT OF NURSERY  
STOCK CONSISTING OF

Apple	Poplar Carolina	Ampelopsis
Pear	Poplar Volga	Roses
Plum	Elm American	Evergreens
Cherry	Sycamores	California Privet
Peach	Mountain Ash	Buxus
Grape	Althea	Weeping Trees
Currant	Hydrangea	Catalpa Seedlings
Gooseberry	Barberries	Black Locust
Small Fruits	Syringaeas	Fruit Tree
Maple Norway	Clematis	Catalpa Speciosa Seed.
Maple Schwedlers	Honey Suckle	Etc., Etc., Etc.
Maple Silver	Wistaria	

Our stock is well grown and graded. Prices are such that it will pay to  
investigate. Come and see us or write.

J. K. HENBY & SON  
GREENFIELD, IND.

## WANTED

An experienced man of good habits for section foreman,  
capable to take charge of deciduous tree division on a large  
ornamental nursery in Eastern Pennsylvania. Apply at  
once, stating age, past experience, whether married or  
single and wages expected.

"EASTERN PENNSYLVANIA."

In Care National Nurseryman.

California Privet

LARGEST STOCK IN THE COUNTRY  
SEND FOR PRICES

C. A. BENNETT, Robbinsville, N. J.

A New Blackberry  
THE WATT

To be offered to the trade next spring. If interested send postal for history and  
description. M. CRAWFORD CO., Cuyahoga Falls, O.

## HELP WANTED.

We have place for experienced help in the Nursery and office.  
Also for several first class salesmen. We will pay the highest  
wages to competent men.

MONTANA NURSERY CO., Billings, Montana.

WOOD LABELS  
FOR NURSEYMEN  
AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our  
careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.

SOUTH CANAL STREET,

DAYTON, O.

When writing to Advertisers mention The National Nurseryman.



Largest Grower in America of

# GRAPE VINES

Other Specialties

## Currants and Gooseberries

INTRODUCER OF CAMPBELL'S EARLY GRAPE,  
JOSSELYN GOOSEBERRY, FAY  
CURRANT.

OVER THIRTY YEARS WITH NO CHANGE WHATEVER IN  
OWNERSHIP OR MANAGEMENT.

Our main business is the growing of unusually high grade stock suitable for the proper filling of Nurserymen's Retail Orders. There being no standard for grading above kinds of stock, every grower of the same is at perfect liberty to adopt his own ideas for growing and grading and alter the same as often as he sees fit.

Our stock this season has made very heavy growth and we have ordered extra boxing to meet this necessity. Box and packing free.

Prices reasonable but not always lower than are generally quoted for light rooted stock.

Please send us your list of wants.

**George S. Josselyn,**  
FREDONIA, NEW YORK

## The Willadean Nurseries

OFFER FOR SPRING, 1909

A large assortment of Fruit, Shade, Ornamental and Weeping trees, Shrubs, Vines. Evergreens, Roses, Herbaceous plants, and Forest Tree Seedlings in large quantities. Tree Seeds we will have our usual supply. Send for list.

Large stock of Snowballs, Weigelas, Berberis, Spirea Van Houtti and other shrubs from 2 to 8 feet. Special prices on above.

Trade list ready Sep't. 1st, send for copy.

**THE DONALDSON COMPANY,**  
WARSAW, KENTUCKY.

## Grafted Pecan Trees

### THE NUT NURSERY CO.

R. C. Simpson, Mgr., MONTICELLO, FLA.

**A BARGAIN** IN STANDARD PEARS. Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere  
Address,

**PIONEER NURSERIES COMPANY,**  
Salt Lake City, Utah.

When writing to Advertisers mention The National Nurseryman.



HEIKES -- HUNTSVILLE -- TREES

## HUNTSVILLE

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Spring of 1909, Pears, Plums, Cherries, Peaches, Roses, and Pecans in large quantities as usual.

### SPECIALTIES

**KIEFFER PEARS**—Which we grow in larger numbers than any other nursery in the United States. Our stock for the coming season, while not as large as usual, will be sufficient to enable us to make reasonable prices.

**PEARS, Assorted Standard**—Our assortment comprises Koonce, Early Harvest, Le Conte, Howell, Bartlett, Smith's, Garber, Duchess d'Angoleme, Japan Golden Russet, Magnolia, Beurre d'Anjou and Lawrence.

**CHERRIES**—We are also the largest grower of Cherries; but our stock of two years old for this season will be comparatively short.

**PEACHES**—We also excel in Peaches, and of these we will have both in one year and June buds the largest stock we have ever grown.

**PLUMS**—A light stock of these for this year.

**PECANS**—We continue to make a specialty of grafted Pecans. These are grown at our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

**ROSES, Budded**—These are also grown at Biloxi, Miss., because of the favorable conditions found there for their propagation. Our stock is large, consisting principally of Hybrid Perpetuals, Mosses, Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

**SOMETHING NEW**—A Root-Graft Wrapping Machine invented by W. H. Bell, the Superintendent of these nurseries. It does the work perfectly and will be on exhibition at the Nurserymen's Convention at Milwaukee.

Address, W. F. HEIKES, Manager,  
HUNTSVILLE, ALA.

ROSES - SHRUBS - CANNAS - PHLOX  
JAPANESE IRIS - HERBACEOUS PAEONIES

All Field Grown - Big Money *VALUES*

Tea's, Hybrid Teas, Hybrid Perpetual, Mosses. Rugosas Climbers, Ramblers, — THIRTY types in all. Enormous quantities—Assortment the greatest.

Send us your list—Now !

Get our quotations—Now !!

Ask for our catalog—NOW !!!

**The United States Nursery Co.**  
RICH - Coahoma County - MISS.

## Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

**JACKSON & PERKINS CO.**

NEWARK, N. Y.

When writing to Advertisers mention The National Nurseryman.



## Natural Guano



PULVERIZED Sheep Manure, pure and unadulterated. Unexcelled for all kinds of Nursery Stock, giving healthy and luxuriant growth to the plant. Can be applied either with drill or fertilizer attachment.

Price and freight rates on application.

**Natural Guano Company**  
AURORA, ILLINOIS

## ALMA NURSERIES, HOLLAND

Oudenbosch and Boskoop

Proprietors { U. J. Heerma Van Voss, Czn.  
H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Large Stock of Ornamental Trees and Shrubs,  
Conifers, Evergreens, Etc.

SOLE AMERICAN AGENT:

J. MEERKAMP VAN EMBDEN, Mt. Vernon, N. Y.

Ask for our General Catalogue and special offer.

## SIMPSON

is the name of the men who  
grow the finest

## CHERRY

that can be produced by suitable soil,  
climate and expert knowledge.

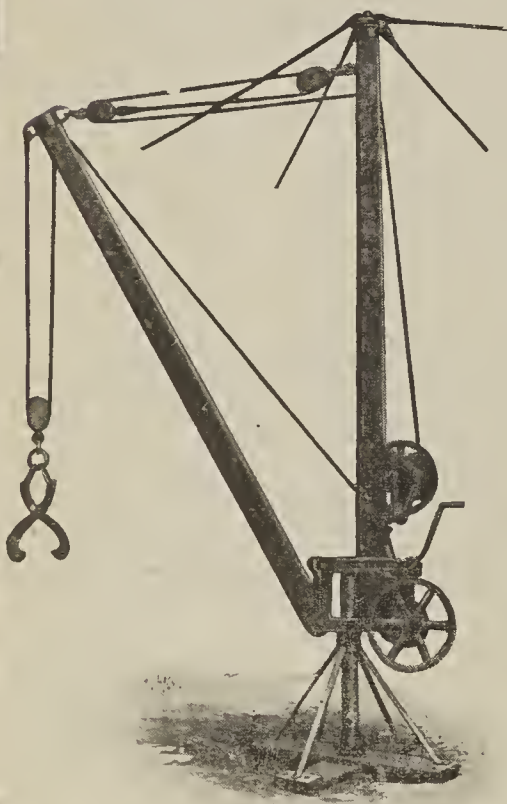
Take a look at the stock or ask for a  
sample and be convinced of the *extra*  
*quality* of their

## TREES

H. M. Simpson & Sons,

Vincennes, Indiana

## The Parker Derrick



Is the only practical Derrick  
made for handling Trees and  
other light loads

MADE IN TWO SIZES

No. 1, capacity, 1500 lbs.  
No. 4, capacity, 4000 lbs.

They are light, portable and  
easily handled.

We manufacture Hoisting  
Engines and Derricks  
of all descriptions.

Write for Illustrated Catalogue C.

**Parker Hoist and Derrick Co.**

Old Colony Building  
CHICAGO, U. S. A.

## Specialties

PEARS, Kieffer—PEACHES, all grades, in large  
assortment—CHERRY—PLUMS, European  
and Japan.

### EVERGREENS

Arbor Vitae, 2 to 10 ft.

Irish Juniper

Norway Spruce

Pyramidalis

All in large sizes.

BLACK LOCUST  
SEEDLINGS

GOLDEN WILLOW  
in small sizes

Silver Maple, American Elm, Catalpa,  
Bungei, Cut Leaf Weeping Birch

Write for Special Prices

**The Farmers Nursery  
Company**

TROY, OHIO

Nursery Stock grown at Dansville, N.Y. and Troy, O.



## COUNT LIST

### TWO YR. CHERRY ON MAHALEB

#### WESTERN GROWN

	5-6 ft. 3/4 in.	4-5 ft. 5-8 in.	3 1/2-4 ft. 1/2 in.	3-4 ft.
Dyehouse .....	132	800	500	164
Early Richmond ....	1250	5800	3810	800
Eng. Morello .....		140	1000	540
Montmorency .....	520	3745	3705	1500

### PEAR

#### Two Year Standard on French Stock.

	5-7 ft. 3/4	5-8 in.	1 1/2 in.
Kieffer .....	5000	6000	3000
Bartlett .....		400	1000

### FRUIT TREE STOCKS

	No. 1 3-16 in.	No. 2 2-16 in.	No. 3
Japan Pear Stocks ..	19000	38000	17000
Mahaleb .....			50000
Apple Seedlings .....	Sold	Sold	Sold

### FOREST TREE SEEDLINGS

#### AND OSAGE HEDGE.

		AND OSAGE HEDGE.	6 to 12	4 to 6
Speciosa Catalpa....			196000	
Soft Maple .....			85000	30000
Elm .....			11000	
	2-3 ft.	18-24 in.	12-18 in.	6-12
Honey Locust .....	10000	12000	20000	30000
	No. 1	No. 2		
Osage Hedge.....	370000	60000		

### FULL LINE OF SHADE TREES

Catalpa, Elm, Locust, Maple, Sycamore, Ash, Box Elder.

**The Winfield Nursery Co.**  
WINFIELD, KANSAS

## B. E. Fields & Son

Fremont Nurseries

Fremont, Nebraska

Offer for Spring, 1909

All Stock in cold storage

## Kieffer & Garber Pear

All Grades

Native Plum, Cherry, 1 and 2-yr. (sour sorts).

**500,000 Grapes, Concord  
and choice varieties**

Elm and maple, 12--18 in. only.

Large assortment of Field Grown Roses,  
Shrubs, Climbing Vines, Etc.

## CAROLINA POPLAR

1 and 2 yrs. Branched and Whips

## HONEY LOCUST

All Grades

Ash, Maple, Box Elder, Wild Black Cherry,  
Walnut Seedlings

Willow and Cottonwood Seedlings.

## BALTIMORE NURSERIES Franklin Davis Nursery Company BALTIMORE, MD.

We offer for Fall, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

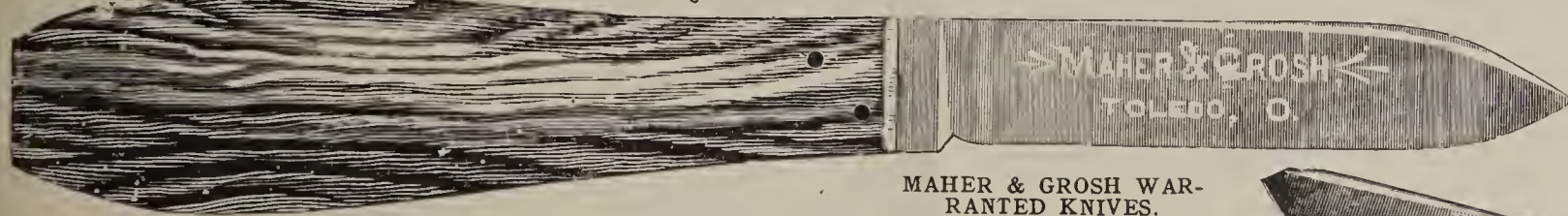
## LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere to us or to our

American Agents, AUGUST ROLKER & SONS, New York, 31 Barclay Street, or P. O. Box 752.

GRAFTING KNIFE NO. 2, \$1.80 doz. Postpaid.



FLORISTS' KNIFE

White Handle

No. 89

50c. postpaid

MAHER & GROSH WAR-  
RANTED KNIVES.

Pocket Grafting Knives, 30, 40 and 50c. each. Nursery Pruner, 50c. postpaid. Nursery Budder, 25c. postpaid. Pocket Budder, 35c. postpaid.

The FLORIST KNIFE—No. 89, as shown, 50c.; 6 for \$2.50. No. 89 1/2 has grafting point blade, same price. These blades are equal to any razor in fineness.

Send for 12 page Nursery Tool Catalogue.

MAHER & GROSH CO., 90 A St., TOLEDO, OHIO

When writing to Advertisers mention The National Nurseryman.



# I make a Specialty of Peach

G. W. NICHOLS, Holley, N. Y.

## North Carolina Natural PEACH SEED

Write for sample  
and special prices.



Clark Nursery Co.  
Rochester, N. Y.

"You Get What You Order."

## PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED,  
crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,  
4th Ave. & Clinton St., BALTIMORE, MD.

## Surplus Stock

10,000 Clematis Paniculata, strong, 1 yr., field  
grown.

20,000 Barberry Thunbergii, Seedlings, 4 to 6 in.,  
6 to 8 in., 8 to 10 in., 10 to 12 in.

10 lbs. Ampelopsis Vetchii Seed.

**J. W. Adams & Company**  
SPRINGFIELD, MASS.

## L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens,  
Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias  
Nurserymen Should Try My Simplex Tree Baler  
IT DOES THE WORK. PRICE \$16.00.

For Sale—BRAGG TREE DIGGER. Used but a few days

## PEACH SEED

I still have a few hundred bushels of 1907 crop peach  
pits. Special prices to close them out. Write

C. G. NIEMAN, Port Clinton, Ohio

## Budded Pecan Trees

Japan Persimmon, Japan Walnut,  
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit  
and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc.  
Prices always right.

**THE GRIFFING BROS. CO.,**  
JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.



400 best sorts

## ROSES

for lining out.

SEND your want LIST  
for our

THE LEEDLE FLORAL COMPANY  
SPRINGFIELD, OHIO.

## R. C. PETERS & SONS

IRONSHIRE, MARYLAND

(Successors to)

## Wm. M. Peters' Sons, Snow Hill, Md.

Bell Telephone connections in office.

Telegraph Office, Berlin, Md.

## Offer for Spring 1909

Peach Trees of all the leading varieties,  
California Privet and Grape Vines

Send in your list of wants for Special Prices.

Grand stock of specimens

**GROENEWEGEN & SON**  
ROYAL NURSERIES  
DE BILT  
near Utrecht  
HOLLAND

London Planes,  
Acer Schwedleri,  
Lime Dasystylla,  
Horse Chestnuts—red  
and white flowered  
Thorns—Paul's Scarlet,  
Large leaved Elms, Etc.

Catalogue 1909 now ready,  
will be sent on  
application.

## For Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from  
buyers of June Budded peach, plum and apricot. We will bud especially  
to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

## Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

## Hedge Plants, California and Amoor River Privet

We offer the trade nearly a million plants in the above for Fall and Spring de-  
livery. Write for wholesale price list. We have fine well branched stock, grown  
especially for the Nurserymen's Retail trade, and offer prompt and satisfactory ser-  
vices. We have also 50,000 Soft Maple Seedlings, some Carolina Popular and  
American Sycamore in surplus, with other ornamental stock. Trade list ready  
August the first.

VALDESIAN NURSERIES.

Bostic Department, Bostic, North Carolina.

When writing to Advertisers mention The National Nurseryman.



## Price Reduced For "Red Star Raffia"

Yes, and our guarantee still accompanies every pound. "Red Star" brand *must* and *does* give satisfaction. *We* take the risk. Sample free. Write for new schedule of reduced rates.

## Young Stock For Lining Out

New list ready. Nurserymen the country over come to us annually for this class of stock. The "early birds" get the best selection. Better write *now* for the list.

**Thomas Meehan & Sons, Inc.**  
DRESHER, Box T., PA.

## DREER SPECIALS FOR SPRING 1909 PÆONIES PHLOXES JAPANESE IRIS GERMAN IRIS TRITOMAS

And a most complete line of Hardy Perennials,  
Decorative Foliage and Greenhouse Plants  
Write for special prices on your requirements

**HENRY A. DREER, PHILADELPHIA, PA.**

## STRAWBERRY! RASPBERRY! BLACKBERRY!

**Strawberry Plants.**—We are growing 80 acres of 100 varieties, all the best old and new sorts. We are growing them on new land and can guarantee the best plants possible for the money.

**Raspberry Plants.**—We have 40 acres of new fields of Raspberry plants, and expect a large supply of first-class plants of all the leading varieties.

**Blackberry Plants.**—We are growing 500,000 root cutting Blackberry plants, and will grow 1,000,000 first-class sucker plants of all the leading varieties.

We also have 1,000,000 Asparagus plants, 100,000 Rhubarb, and all other small fruit plants. Address

**F. W. DIXON**

HOLTON

KANSAS

## Forest Seedlings

To close out quick, I offer the following first-class stock, Wholesale Trade

50 M. American Persimmon. 1 to 2 ft.  
100 M. Amorpha fruticosa. 1 to 3 ft.  
300 M. Althea Rosea Grafting Stocks.  
500 M. Cal. Privet Cuttings.  
500 M. Black Locust. 1 to 5 ft.  
50 M. Calycanthus, Sweet Shrub. 1 to 3 ft.  
150 M. Cercis canadensis, Red Bud. 1 to 4 ft.  
60 M. Cornus stolonifera, Ozier Dogwood. 1 to 5 ft.  
50 M. Diospyros, Am. Persimmon. 6 to 30 in.

50 M. Elm (white.) 1 to 2 ft.  
75 M. Hamamelis, Witch Hazel. 1 to 3 ft.  
50 M. Tulip Poplar. 1 to 10 ft.  
20 M. Sweet Gum. 1 to 6 ft.  
50 M. Black Walnut. 1 to 3 ft.  
20 M. Wistaria. 1 to 3 ft.  
20 M. Yucca filamentosa, 2 year. Butternuts, Japan Walnuts, Ash, Maples, etc. Send for trade list.

I offer my entire stock at low prices to close out.

**FOREST NURSERY CO.**  
McMinnville, Tenn.

**WANTED** LANDSCAPE ARCHITECT, who has the ability to *take orders, make designs and superintend* the planting. Our present Architect leaves next spring for California, account of wife's health. His work opened past two years. Must have good man to follow it up. Want him here March 1st. City 100,000 inhabitants and everyone a booster. Write.

DES MOINES NURSERY CO., Des Moines, Iowa

**WE** make a specialty of collecting accounts for the Trade.

For particulars and references, address the

**National Florists' Board of Trade,**

56 Pine Street, New York City

## The Rogers Nurseries

Have several thousand fine, large two-year APPLE TREES as ever grew on good new land. Will sell them cheap for cash with order. GRAPES, ALSO SYCAMORE, UMBRELLA, CHINA, BLACK WALNUT, SWEET GUM AND CATALPA.

Send Your Order at Once.

J. H. ROGERS & SONS, Woodlawn, Arkansas.

ESTABLISHED 1868

## F. W. MENERAY Crescent Nursery Co. Council Bluffs, Ia.

We offer our large stock of PÆONIES at a special low price for Fall, 1908. Also a large stock of Cherries, Plums, Pears, Gooseberries, Deciduous Trees and Ornamental Shrubs.

When writing to Advertisers mention The National Nurseryman.

**50¢** **MODEL A**  
**Bull Dog SUSPENDERS**  
OUTWEAR THREE ORDINARY KINDS

### Rubber—the Life of a Suspender

is a vegetable that decays and evaporates, giving suspenders short life if the strands are not thick enough to withstand penetration by the elements. A comparison of the thin rubber used in ordinary 50c. suspenders with the thicker strands to be found in BULL DOG WEBS explains why BULL DOG SUSPENDERS withstand heat, perspiration of the body, climatic action, etc., better, and why **They Outwear Three Ordinary Kinds.** Bull Dog Suspenders have unbreakable, non-rusting, gold gilt metal parts; tough, pliable Bull Dog ends that won't pull out at the button holes, are made in light, heavy and extra heavy weights (extra long if desired), comfortable, neat, durable.

**TRUE SUSPENDER ECONOMY, 50 CENTS**

Money Back if not entirely satisfactory

HEWES & POTTER, Dept. 2931 Lincoln St., Boston, Mass.





## Everything in Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

### CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

### Offers One Million Grape Vines

One and Two Year Old for  
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

### We are Prepared to Handle Your Orders

for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

**SPECIAL**—We have 1000 bu. of Red and Burr Oak Acorns on which we can make special low price.

SEED DEPT.

### DUNDEE NURSERIES

D. HILL, Prop.  
DUNDEE, ILLINOIS

## PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myroblan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

J. F. ROSENFELD, West Point, Nebr.

wholesale grower of

### PEONIES

## F. E. SCHIFFERLI

FREDONIA, N. Y.

Successor to WHEELOCK & CLARK

AT IT SEVENTEEN YEARS

For SPRING 1909

GRAPE VINES AND CURRANT PLANTS

GRAPE AND CURRANT CUTTINGS

CORRESPONDENCE SOLICITED

**Foreman** Wanted by a New England Nursery growing a general line of Fruit and Ornamentals. Must be a worker and understand the business. Will pay good wages to a man that can fill the bill. Address, stating experience, age, salary wanted, references, etc., to

FOREMAN, care of NATIONAL NURSERYMAN.

### Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

### Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. **Specialties:** Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested

## Grape Vines

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

T. S. HUBBARD CO., Fredonia, N. Y.

## SPRING OF 1909

New Trade Sheet and Scion List Just Out. WRITE FOR THEM.

We have a Large Stock and can Ship Promptly.

NURSERIES AT CARROLLTON AND JERSEYVILLE, ILL.

JOHN A. CANNEDY NURSERY AND ORCHARD CO.,

CARROLLTON, ILL.

## W. Fromow & Sons

Windlesham Nurseries, Surrey, England

NOW IS THE TIME to place your orders for fall or spring deliveries of our well grown stocks of Roses, Rhododendron, Golden Privet, Retinosporas, Box, Holley, etc. Our latest **SPECIAL OFFER** was mailed in September; for further particulars address our **SOLE AMERICAN AGENTS**

AUGUST RÖLKER & SONS, P. O. Box 752, or 31 Barclay Street, NEW YORK.

When writing to Advertisers mention The National Nurseryman.



# Your Strawberry Plant Orders

FOR SEVERAL years I have been filling strawberry plant orders for a great many leading nurserymen. Most of these send me their shipping instructions and tags and I ship direct to their customers. As this seems to be the best way for nurserymen to have their strawberry plant orders handled I am preparing to greatly improve my facilities for this work and to make it one of the main features of my business. The additional charge made for handling orders in this manner is very small, just enough to pay the additional expense of billing out small orders. I also ship plants direct to nurserymen who wish to bill out their own orders.

The extensive improvements I expect to make this summer will enable me to give all nurserymen prompt, accurate and careful service.

If you buy strawberry plants get in communication with me before contracting for your next season's supply.

**W. W. THOMAS**  
THE STRAWBERRY PLANT MAN  
**ANNA, ILLINOIS**  
200 ACRES IN PLANTS  
ASPARAGUS AND RHUBARB ROOTS  
NAMES OF NURSERYMEN WILL BE PROTECTED

ESTABLISHED 1845  
**Bryant's Nurseries**  
**PEONIES**  
50,000 to offer for Spring, 1909.

Fall planting of Peonies give best results. Special surplus list now ready. Let us figure on your wants. We can please you as to quality, as all roots sent out are extra heavy.

**Ornamental Shrubs**  
all sizes by the thousand in Altheas, Barberry Thunbergii, Dogwood, Spirea Van Houttii, Persian and Purple Lilac, Snowballs, etc.

Write for special prices.

**ARTHUR BRYANT & SON**  
PRINCETON, ILLS.

When writing to Advertisers mention The National Nurseryman.

**Easterly Nursery Co.,**  
CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

**BOX STRAPS**  
**WARD-DICKEY STEEL COMPANY**  
INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

**Colombe-Lenault-Huet,**  
NURSERYMEN.

**Ussy, Calvados, France.**

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE, VERY GOOD PACKING,  
WRITE DIRECT, I HAVE NO AGENTS.

**4,000,000 PEACH TREES**

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,  
WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry. Write for prices.

**JAMES' SONS, Nurserymen**  
Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.  
Write direct to us, we have no agents.

**Vincennes Nurseries**  
W. C. REED, Prop., - VINCENNES, IND.

The Home of ALICE and the CHERRY TREES

We have the Soil, the Climate and the Experience and can furnish a tree that can not be surpassed for Vitality or Size. Foliage all on our Trees August 1st as fresh and green as May insuring well ripened wood, the kind that will live when Transplanted. Splendid Tops and Fine Roots.

Cherry Being Our Specialty Can Furnish in 100,000 Lots or Less, All Leading Varieties.

Two Year Cherry, 1 in. up XX Fancy One Year Cherry, 3-4 in. up  
" " " 3-4 to 1 in " " 5-8, to 3-4, and  
" " " 5-8 to 3-4 & 1-2 to 5-8. 1-2 to 5-8.

CHERRY BUDS furnished on short notice, any quantity. General line of other Fruit Stock Ornamentals, Roses, Shade Trees, Weeping Trees, etc. Submit List of Wants for prices. Personal inspection invited.

**WANTED.**

A competent nurseryman and a good manager of men. Good opening for the right man. For full particulars, address. "O. K." The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.



# J. H. SKINNER & CO.

Successors to

Peters & Skinner

Sta. "A," Topeka, Kansas



FOR FALL of 1908 we offer a general line of nursery stock. We expect to have our usual supply of Forest Tree Seedling, Apple and Pear Seedling.

# E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs, Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks, Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

# YOUNGERS & CO.

GENEVA, N. E. B.

OFFER FOR FALL TRADE

Apple, Plum, Peach and Cherry Trees  
SEEDLINGS

Apple, Black Locust, Catalpa Speciosa, Maple, Elm and Osage

ALSO A FULL LINE OF

ORNAMENTAL & SHADE TREES

WRITE FOR PRICES

# Everybody Knows

Park, Cemetery and Landscape Gardening can not be properly done without the aid of an accurate leveling instrument.

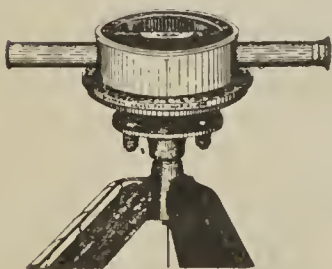
# Bostrom's Improved Levels,

No. 2 at \$15.00 and No. 3 at \$25.00,

are conceded by all who know to be the only Levels on the market which meet all the requirements, at the price.

Our guarantee back of every Level we sell, and satisfied users in every State in the Union heartily endorse every claim we make.

Shipping weight 12 lbs. Description on request.



BOSTROM-BRADY MFG. CO.

133 MADISON AVENUE, ATLANTA, GA.

When writing to Advertisers mention The National Nurseryman.

# The L. Green & Son Co.

PERRY, LAKE CO., OHIO

Offers for Fall '08, one of the Most Complete Assortments in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan, and Native Plum, Peach, Ornamental Trees and a fine lot of Poplars, including 1 yr. whips, 3 to 7 ft. Lots of shrubs, vines, roses, evergreens, herbaceous and perennial plants. Also a nice lot of 2 yr. grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

Established 1780.

# Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1909

FOR NURSERY STOCKS OF THEIR OWN  
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

# W. T. HOOD & CO.,

Old Dominion Nurseries

RICHMOND, VA.

Specialties for Spring 1909

Japan Pear Seedlings; California Privet---Fine Plants.

Special Inducements in Carload Lots

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2 yr., Champion, Orange, Meeches & Reas, exceptionally fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

GENERAL LINE OF NURSERY STOCK

Correspondence Invited.

When writing to Advertisers mention The National Nurseryman.



## WANTED

A competent Nurseryman who understands the growing and handling of nursery stock. A good opening for the right man. Married man preferred. For further particulars address "Z," THE NATIONAL NURSERYMAN.

Nurseries in the Genesee Valley.

## "LEST YOU FORGET"

We grow a full line of SWEET OR POT HERBS in connection with our HARDY PERENNIAL BUSINESS, an awfully good seller, as EVERYBODY WANTS THEM for FEW HAVE THEM.

Try a line of them in your New Spring Catalogue. We carry quite a stock to draw from, but, it is just as well to engage ahead. Our price for well established plants from 2 1/2 inch pots, Spring delivery is \$3.50 per 100, \$30.00 per 1000 for the following varieties. BALM, BASIL, BORAGE, CHIVES, DILL, FENNEL, HOPS, HORSE RADISH, LAVENDER, MARJORAM, PENNYROYAL, PEPPERMINT, ROSEMARY, SPEARMINT, SAGE, SAVORY, SUMMER, SAVORY WINTER, TARRAGON, THYME.

**PALISADES NURSERIES,**  
SPARKILL, N. Y.

Wholesale Growers of Hardy Perennial Plants.

## P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERIES. Some of the goods on hand here during the packing season.

## STARK BRO'S NURSERIES & ORCHARDS COMPANY

CAPITAL STOCK \$1,000,000

PIONEER NURSERIES OF THE WEST

Established 1825

Fourth Generation of Stark Nurserymen

STARK DIGGERS are now furnished with a very heavy double edged blade of highest quality crucible steel; prevents all twists and spring.

A boy can pull trees loosened by the adjustable lifter.



Thrown in or out of the ground quickly, without heavy lifting. Easily turned. Moved from one location to another on its own wheels. Used by many of the leading nursery men; has always given satisfaction.

Write for Descriptive Circular and Prices

General Office, Nurseries, Packing Houses  
LOUISIANA, MO.

BRANCHES { Starkdale, Mo. Rockport, Ill. Atlantic, Ia.  
Fayetteville, Ark. Portland and Dansville, N. Y.

Storage Capacity 1,000 Car Loads

A GENERAL LINE OF NURSERY STOCK

WANTED.—By one of the oldest and most reliable concerns in Western New York, a man capable of handling any or all departments of a retail business.

Address POSITION,  
Care of this paper.

Several thousand fine grade of  
**Berberis Thunbergii Seedlings**  
Also Red Oak and Sour Cherry.

Prices on application.

Oak Hill Nurseries, Roslindale, Mass.

## The New HYDRANGEA

Arborescens grandiflora (sterilis)  
"Hills of Snow"

Grown especially for the Nurserymen's Retail Trade. Colored Plates free. Attractive circulars at cost.

J. W. McNARY,  
Dayton and Xenia Nurseries, Dayton, Ohio.

## Carolina Poplars by the Carload

Peach Trees—fine ones. Peach Seed—the best.

If you want any of the above, apply at once. We are going to sell at some price.

GILES CO. NURSERY COMPANY,  
Pulaski, Tenn.

FOR SALE!

**Boiler,** 80-horse power, low pressure. Price very reasonable.

PAUL F. BEICH COMPANY,  
Bloomington, Ill.

When writing to Advertisers mention The National Nurseryman.

## Box Trees

and other EVERGREENS for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.  
Bedford, Mass.

Hardy Blizzard Belt Nursery Stock  
Evergreen Seedlings, etc.

Grown by

The Gardner Nursery Co.  
Osage, Iowa

## WANTED.

Correspondent to take charge of nursery force of salesmen. Must have experience and be familiar with Southern and western territory: Answer in own handwriting stating age, reference, etc.

RICE BROS. CO., Geneva, N. Y.

## KANSAS CITY NURSERIES

GEO. H. JOHNSTON, Prop.  
SUCCESSOR TO BLAIR & KAUFMAN

233-234 Rialto Building, - - Kansas City, Mo.

Offer for Fall 1908 and Spring 1909 large stock of Carolina Poplars all sizes; Concord Grapes; Currants; Asparagus and a full line of Ornamental Shrubs, Peonies, &c.

When writing to Advertisers mention The National Nurseryman.





**QUILLIS NURSERIES,**  
Ottawa, Kansas offer for  
shipment in the Spring of  
1909, Cherries of all grades, Grapes,  
1 Yr. No. 1 in good assortment,  
Teas Mulberry 2 Yr. heads, Cut  
Leaf Birch, also a general assort-  
ment of Nursery Stock.

Stock is in storage and  
shipment will be made  
promptly on short notice

*Your Orders Solicited*

### SURPLUS

3,000 Cherry, 2 yr. 3-4 and up.  
1,000 " " 5-8 to 3-4.  
2,000 " " 2 to 3 ft.  
1,000 Silver Maple 1 inch, 8 to 9 ft.  
1,000 Catalpa Speciosa. 1 to 1 1-2 in. 8 to 9 ft.

Write for our lowest prices.

G. S. PICKETT & SON, CLYDE, OHIO.

## Minnesota Grown Trees

TURTLE CREEK NURSERY

J. M. Lindsay, Prop.

AUSTIN, MINN.

## SPECIMEN LILACS WANTED

We want six (6) choice specimens of the common white Lilac  
(*Syringa vulgaris alba*), 5-6 ft., broad, bushy specimens. Give  
description and quote price on stock, nicely packed.

CHAS. R. FISH & Co., Worcester, Mass.

## COTTONWOOD SEEDLINGS

Can furnish any size. Any amount. Write for Prices.

**A. B. NACE,**

No. 2 Main Street, KANSAS CITY, MO.

## FOR SALE---A Well Established Nursery

situated in one of the best nursery centers in the  
country with a complete line of general nursery stock  
which can be bought on satisfactory terms, railroad  
facilities are unexcelled. It is equipped with all the  
necessary tools, teams, packing sheds, cellars, office  
building and a complete line of growing stock with an  
annual business of \$80,000.

This proposition will stand the closest investigation,  
and the best of reasons will be given for disposing of  
said business. Possession can be had immediately and  
\$10,000 in spring business will go with this nursery.  
The retail sales are averaging now about \$750. per week.

This nursery has in cellars for spring planting the  
following stocks, grafts, etc.

100,000 Apple. 50,000 Cherry. 20,000 Plum.

15,000 Pear and a full and complete line of orna-  
mentals, and enough peach pits planted for 75,000 peach,  
sufficient forest tree seed for three million seedlings.

No attention will be paid to inquiries unless accom-  
panied by references, showing ability to handle this  
proposition. This business is on a very profitable  
basis and shows a profit of \$15,000.00 on the last year's  
business.

Address all inquiries to "C," in care of NATIONAL  
NURSEYMAN.

# RHODODENDRONS

An immense stock of all the **hadiest** known kinds, 2 to 3½ feet, **fine plants**, all home  
grown, many being on **own roots** far better than grafted stock.

**Rhodo. Catawbiense** Seedlings of all colors. This is the **Nursery** in which most of  
the **Rhodo's** that have **proved hardy** in **America** were raised.

Seedling hardy **Azaleas** not to be obtained elsewhere.

**Golden Yews, Kalmias**, and other **hardy plants** in great variety and of all sizes.

**ANTHONY WATERER,**

KNAP HILL NURSERY,

KNAP HILL

SURREY, ENGLAND

Catalogues on application.

No connection whatever with any other firm.

When writing to Advertisers mention The National Nurseryman.

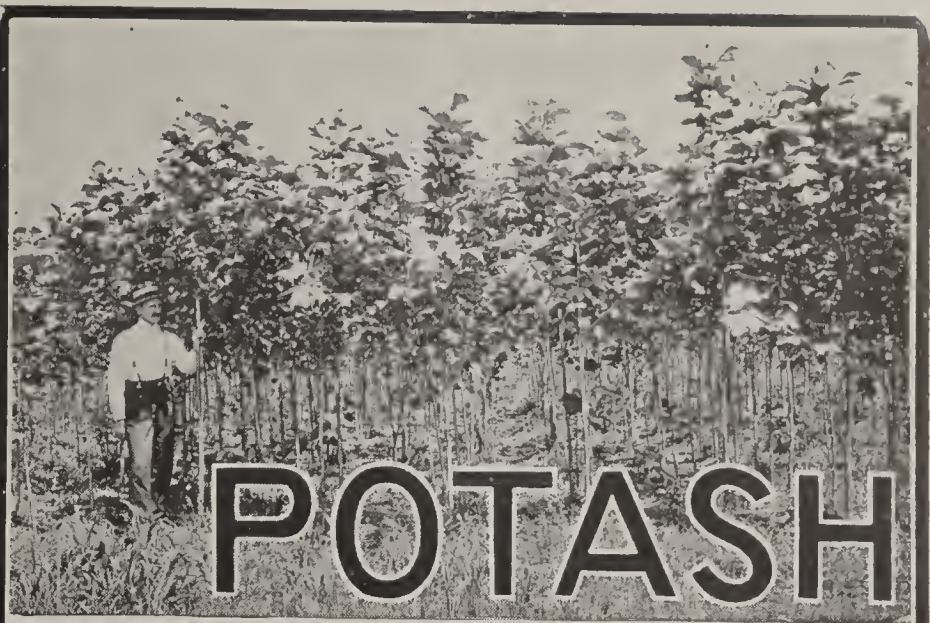


## At a Bargain

30,000 Two year Cherry, strictly first class in the different sizes. Get our prices.

Also have several thousand Pear, two year, largely Keiffer.

G. H. MILLER & SON  
ROME, GA.



### Hardy Nursery Stock

is grown with unfailing success on land made fertile by the application of commercial fertilizer containing the proper proportion of Potash.

Do not forget the importance of Potash in the growing of trees, shrubs and plants.

A correct fertilizer supplies the plant food for abundant foliage, produces sturdy stock and imparts to young trees a disease-resisting vigor.

*Ask for Our Free Books on Fertilizing*

GERMAN KALI WORKS, 93 Nassau St., New York  
Monadnock Bldg., Chicago. Candler Bldg., Atlanta, Ga.

# MUSHROOMS!

All growers of Mushrooms should buy their  
**Spawn** direct from the best English Makers

JOHNSON'S LTD., are the chief makers of Spawn and growers of Mushrooms in England. Their Spawn-bricks are scientifically inoculated with fine Virgin Spawn and this year's stock is better than ever.

*Prices and particulars on application*

*Send One Shilling (24 cents) for our new book on Mushroom Culture*

ADDRESS

JOHNSON'S, Ltd. 44 Bedford Row, London, Eng.



# HARRISON'S SURPLUS STOCK

Here's what we had on December 19th. The stuff was going rapidly at that time, however, and the prices we now make will give it even more of a "move on."

## ORDER NOW IF YOU WANT THESE !

They say there's a shortage of good, young stock in many sections, owing to last summer's continued drouth. This will add to the demand for our stuff, and when these quotations get around we expect the surplus will be closed out in "Please Deliver Quick" order.

### PEACH TREES.

	6-7 ft. 1 in. up.	5-7 ft. 3/4 in.	4-6 ft. 1/2 in.	4-5 ft. 1/2 in.	3-4 ft. 1/2 in.	2-3 ft. 1/2 in.	1-2 ft. 1/2 in.
Beer Smock.		900	310		4400	2000	1600
Belle of Georgia	460	2890	3860	2910	4560	4610	2550
Brav's R. R.		220	400	200	190	240	
Champion	500	200					
Carman	1500	2500	3000	2000	1000	1000	500
Connet So. Ey.	30	140	120	30	30		
Crawford Late	1500	8000	11500	3000	3000	8000	7000
Crosbey	200	620	660	800	770	550	300
Chair's Choice		1600	400	200	350	120	100
Elberta	100	100	100	100	100	12000	8000
Engle Mammoth	140	330	270	300	230	1320	
Fox Seedling					2000	1500	1500
Frances	10	30	1100	950	900	540	225
Fitzgerald		50	30	50	10	20	20
Greensboro	50	200	200	100	500	1290	800
Geary's Holdon	300	1950	2730	590	1190	2040	425
Hieley (Early Belle)		400	680	680	250	210	
Kalamazoo	220	600	630	340	150	320	50
Lemon Free		350	380	80	60	70	50
Mayflower	100	200	300	300	300	200	100
Mamie Ross	30	340	390	190	80	160	
Mt. Rose	50	1100	1200	500	1000	1600	800
Moore's Favorite	245	860	1470	1260	1140	600	225
Old Mixon	100	500	500	700	950	1600	
Reeve's Favorite	500	2120	2000	1580	1550	1200	950
Salway	2800	3500	3000	2000	1000	1200	1200
Stump	200	500	500	500	500	500	200
Stephen's R. R.	300	500	500	500	500	500	500
Waddell		40	200	100		240	
Wonderful	120	730	1660	890	880	800	300

### PLUM TREES.

	1 in. up.	3/4 in.	5/8 in.	1/2 in.	3-4 ft.
Abundance	100	100			
Burbank	1000	500			
Lombard		100			
Red June	200	3000	3000	2000	2000
Shropshire Damson		500	500	100	
Yellow Egg		50			
York State Prune		50			

### CHERRY TREES.

	3/4 in.	5/8 in.	1/2 in.	3-4 ft.
Baldwin		100	500	400
Black Tartarian		700	700	100
Dyehouse		100	500	800
Early Richmond		500	3000	3500
Gov. Wood		100	300	100
Montmorency		500	3000	3000
Schmidt		100	100	50
Windsor		100	300	50

### SURPLUS APPLE TREES.

	1 in. and up.	3/4 in.	5/8 in.	1/2 in.	3-4 ft.
Aiken Red				60	40
Ben Davis		1000	3000	2460	1590
Carthouse			50	50	30
Canada Red				230	100
Bismarck				100	130
Dutchess			500	300	470
Early Harvest				500	710
Flora Belle			130	100	40
Grimes Golden	100	2000	1000	1320	1000
Gravenstein				200	100
Golden Beauty	50	50	50	50	50
Lankford Seedling			50	20	60
Longfield			50	50	60
M. B. Twig	400	1370	1240	450	290
Nero			300	1500	750
Paradise W. S.			50	50	40
Roman Stem			50	130	
Rolf			20	20	10
Red Astrachan			500	500	150
Stayman's Winesap			500	3800	2100
Sweet Bough			100	100	70
Stark			500	220	80
Salome			100	100	130
Transcendent	50	50	900	490	260
Virginia Beauty		400	360	220	140
Walbridge		100	50	150	120
Wealthy			200	200	200
Wolf River			300	690	340
Winesap		6000	500	1100	2000
Yellow Transparent			1000	1470	1400

### ONE YEAR APPLE TREES.

	4-5 ft.	3-4 ft.
Ben Davis	18000	7000
Stayman's Winesap	3000	
York Imperial	9000	1980
Twenty-five other varieties of apple like Baldwin, Jonathan, Grimes, Golden, Nero, Winesap, Yellow Transparent, Stark, Red Astrachan, etc.		

### GRAPE VINES, ONE YEAR.

#### NUMBER ONE.

Concord	20,000
Delaware	1,000
Moore's Early	10,000
Niagara	1,000
Wyoming	500

### PEAR TREES.

	1 in. up.	3/4 in.	5/8 in.	1/2 in.	3-4 ft.	2-3 ft.
Bartlett		1000	100	1800	1200	700
Clapps' Favorite		100	800	400	100	50
Dutchess		200	200			
Flemish Beauty			300	200	200	
Garber		300	800	300	300	300
Koontz		100				
Lawrence			100			
LeConte			1000	1000	500	500
Manning's Eliz			50	400	300	200
Seckel		100	1200	500		
Worden Seckel			100			
Kieffer	1000	17500	12500	4500	4000	1000

### CURRENTS.

Cherry, 2 year, No. 1	500
North Star, 2 year, No. 1	500
Red Dutch, 2 year, No. 1	500
Victoria, 2 year, No. 1	500
Wilder, 1 year, No. 1	2000

### QUINCE.

	3-5 ft.
Champion	300
Orange	500

### STRAWBERRY PLANTS.

#### FROM NEW BEDS.—WELL ROOTED.

Aroma	25,000	Nick Ohmer	90,000
Auto	75,000	Oak's Early	90,000
Beder Wood	25,000	Gandy	900,000
Brandywine	25,000	Gladstone	25,000
Bubach	25,000	Glen Mary	75,000
Bismarck	50,000	Haverland	185,000
Chesapeake	25,000	Johnson's Early	50,000
Crimson Cluster	50,000	Kansas	30,000
Clyde	10,000	Klondike	500,000
Crescent	50,000	King Philip	25,000
Dayton	25,000	Parsons	150,000
Early Hathaway	160,000	Rough Rider	30,000
Lady Thompson	25,000	Sample	30,000
Midnight	50,000	Stephen's L. Champion	125,000
Marshall	125,000	Senator Dunlap	125,000
Michell's Early	60,000	Tennessee Prolific	50,000
McKinley	5,000	Tilghman's Favorite	50,000
Mark Hanna	75,000	Virginia Beauty	25,000
New Home	30,000	Warfield	300,000
New York	50,000	Wolverton	25,000

### ORNAMENTALS.

	4-5 ft.	3-4 ft.	2-3 ft.	18-24 in.	12-18 in
California Privet	1,000	12,000	25,000	35,000	8,000
DECIDUOUS TREES.					
Carolina Poplars, 1 in., 8 to 10 ft.					1000
Silver Maples, 8 to 10 ft., 10 to 12 ft.					5000
Mulberries, 5 to 6 ft., 6 to 8 ft., 8 to 10 ft.					5000
American Elm, 8 to 10 ft.					500

#### EVERGREENS.

Bay Trees, 3 ft. stem, 28 inches head.	50
Siberian Arbor Vitae, 2 to 3 ft., 3 to 4 ft.	5000
Norway Spruce, 2 to 3 ft., 3 to 4 ft.	8000
Juniperus virg. glauca, 5 to 6 ft.	400
Hemlock Spruce, 2 to 3 ft.	100
Retinospora, dwarf, 2 ft.	50
Retinospora, std., 4 to 5 ft.	50

#### FLOWERING SHRUBS.

Baby Rambler Roses, 2 years old.	500
----------------------------------	-----

**J. G. HARRISON & SONS,**

**BERLIN, MARYLAND**



# PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST  
COMPLETE ASSORTMENTS OF STOCK FOR

## Nurserymen and Florists

in the United States, including Fruit and Nut Trees,  
Deciduous and Evergreen Trees and Shrubs, Roses,  
Hardy Vines, and Plants, Small Fruits and Grape  
Vines, Tender Plants, Bulbs and Seeds. . . . .

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in. Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

### Roses—

Hybrid  
Perpetual  
Ramblers,  
Climbers,  
Etc.,  
in large supply.

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.



CORNUS, FLORIDA.

Pleased to  
price your list  
of wants or to  
show you our  
stock. Special  
inducements  
on car lots. If  
you have not  
received our  
fiftieth anni-  
versary de-  
scriptive cata-  
log, send for  
it. Catalogs  
and Price  
Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

*The* **STORRS & HARRISON Co.**  
PAINESVILLE, OHIO



# TREES

Fruit and Ornamental.

**Shrubs**

**Evergreens**

**Roses**

**Hardy Plants**

All the Best and Hardest Varieties.  
Largest and most varied Collections in  
America. Illustrated Descriptive Cata-  
logue mailed **FREE** on request.

**ELLWANGER & BARRY,**

Nurserymen-Horticulturists,

**MOUNT HOPE NURSERIES,**

Established 1840.

Rochester, N. Y.

## Our Price List

is Now Ready

*Are You?*

Send us your Want List and save  
money on your spring bills.

Prices cut to a Frazzle!

*Try us and see*

**Jackson & Perkins Co.**

*"The Preferred Stock"*

Grown at NEWARK, in WAYNE Co., NEW YORK STATE

## THE GENEVA NURSERY

### SPECIAL OFFER

Apple, Quince, Pear, Cherry,  
Peach, Plum.

Well graded in all grades

*Headquarters for* Fruit and Ornamental  
Trees, Shrubs, Berries, Phlox, Clem-  
atis, Evergreens, Peonies,  
Azaleas, Rhodo-  
dendrons.

### ROSES

BUDDED AND ON OWN ROOTS

CUT LEAF BIRCH, EUROPEAN WHITE BIRCH,  
SPIREA VAN HOUTTE, BARBERRY  
THUNBERGII

WRITE FOR OUR SPECIAL PRICES

Special attention given to Dealers' Complete Lists and Carload Lots

**W. & T. Smith Co.**

Established 1846

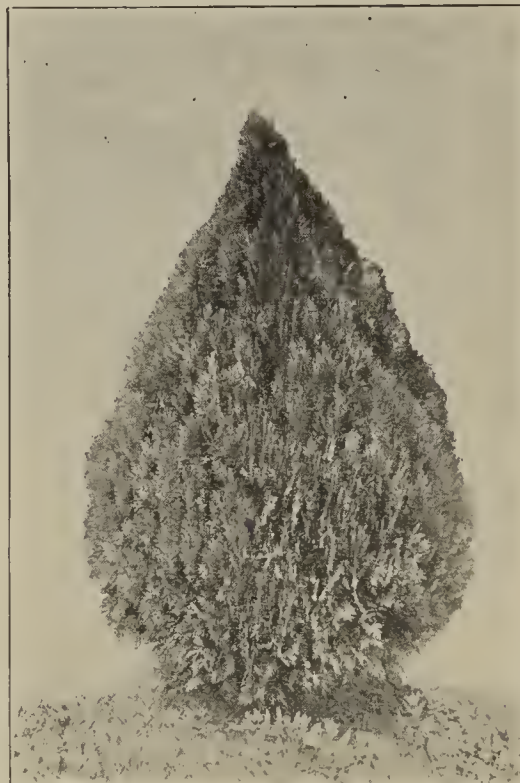
Geneva, N. Y.

700 ACRES

## BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall  
delivery, from 10 inches to 3 feet.



### ALTHAEA

#### MEEHANII

(Hibiscus Syriacus)  
(New variegated  
single flowering  
Althaea).

Field grown  
DOROTHY

PERKINS,  
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RAMBLER,  
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PAVIE Roses.  
AZALEA

INDICA,  
CAMELLIA,  
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WIER'S

MAPLE,  
TEAS,

MULBERRY,  
TULIP

POPLARS,  
all first class.

Send for prices.

**P. J. BERCKMANS CO. Inc.**

FRUITLAND NURSERIES,

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AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.



# Pratt's "SCALECIDE"

Will Positively Destroy SAN JOSE SCALE and all Soft Bodied Sucking Insects Without Injury to the Tree

SIMPLE, MORE EFFECTIVE AND CHEAPER THAN LIME SULPHUR.

Not an experiment. — Write for FREE sample and endorsements of leading fruit growers and entomologists who have used it for years. "Pocket Diary with Spray Calendar Free if you mention this paper."

PRICES:—50 gal. bbl. \$25.00; 30 gal. tin, \$15.00; 10 gal. can, \$6.00; 5 gal. can, \$3.25; 1 gal. can, \$1.00 f. o. b. New York. One gallon makes 16 to 20 gallons spray by simply adding water. Order now; spring spraying your last chance.

B. G. PRATT COMPANY, Mfg. Chemists, Dept. B., 50 Church St., New York City

## Honor Bright !

QUEER HEADING for a nursery ad, isn't it! However, we would like to give you correct information about our stock, now in cellar ready for shipment. Give us a chance !

STD. PEARS.—Bartlett and Kieffer.  
DWARF PEARS.—Duchess.  
PLUMS.—Burbank and Lombard.  
CHERRIES.—Large Montmorency and Richmond.  
PEACHES.—Elberta, Smock, and Salway.  
BLACKBERRIES.—Mesereau.  
ROSES.—10,000 Strong Budded Plants.  
CALIFORNIA PRIVET.—10,000 2 yr. Plants, 12 to 18 in.

THESE ARE ONLY OUR LEADERS.

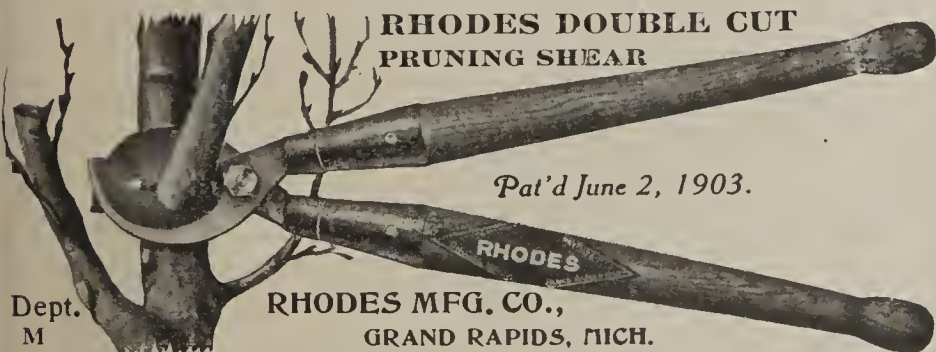
W. B. COLE, Painesville, O.

## ARCADIA NURSERIES

Monticello, Fla.

Growers of General Fruit and Ornamental Trees in Quantity

High Grade PECANS our specialty



Dept. M

RHODES MFG. CO.,  
GRAND RAPIDS, MICH.

The only pruner made that cuts from both sides of the limb and does not bruise the bark. Made in all styles and sizes. We pay Express charges on all orders. Write for circular and prices.

Dept. M. RHODES MFG. CO., GRAND RAPIDS, MICH.

IT IS CONCEDED BY LEADING NURSERYMEN THROUGH-  
OUT THE UNITED STATES THAT THE

## Clinton Falls Nursery Co.

Owatonna, Minnesota

Manufacture and have placed upon the market the two greatest Labor and Money Saving Machines known to Nurserymen. These machines have been perfected through actual tests on their own and the grounds of the largest Nurserymen in the States.

The Trencher leaves a clean cut open trench to receive the plants, grafts, or cuttings. The Soil Firmer packs the soil firmly around the roots, thus insuring the growth of every worthy plant, graft or cutting.

An illustrated Catalogue and further particulars regarding these Labor and Money Savers, mailed upon request.

Clinton Falls Nursery Co.

OWATONNA, MINN.

## "Everything in Evergreens and Forest Trees"

My stock is complete in every way, and includes all the hardiest and most valuable varieties. In addition to having the largest stock of Evergreens and forest trees in America of varieties which are grown from seeds, I have a very complete stock which I propagate by grafting and rooted cuttings and am offering same in the smaller as well as the larger sizes, thus enabling you to obtain plants at reasonable prices for growing on.

Send for advance price list which, altho it is not a complete list of everything I grow, gives prices on some of the varieties which I can furnish in immense quantities.

If you are in the market for anything in Evergreens or Forest trees in any size or quantity, and are interested in getting stock that will live and grow, you will make no mistake in purchasing from a specialist.

"DUNDEE GROWN TREES HAVE BEEN FAMOUS FOR OVER HALF A CENTURY."

WRITE FOR PRICES, INFORMATION, ETC.

I also offer a complete line of TREE SEEDS of entirely new crop, and of high germinating quality. Send for price list.

D. HILL, Evergreen Specialist

THE DUNDEE NURSERIES, DUNDEE, ILLS.

When writing to Advertisers mention The National Nurseryman.





"Stone's Pecan Trees Take the Place of All Others; None Can Take the Place of Those Stone Grows."

B. W. STONE & CO., Thomasville, Ga.

## 12 Acres of Paeonies

Can make Special Prices on large quantities. *DD*

Send me your Want List

**GILBERT H. WILD**

SARCOXIE, MO.

### SURPLUS

3,000 Cherry, 2 yr. 3-4 and up.  
1,000 " " 5-8 to 3-4.  
2,000 " " 2 to 3 ft.  
1,000 Silver Maple 1 inch, 8 to 9 ft.  
1,000 Catalpa Speciosa. 1 to 1 1-2 in. 8 to 9 ft.

Write for our lowest prices.

G. S. PICKETT & SON, CLYDE, OHIO.

THE BEST and CHEAPEST. UNIVERSALLY ADMIRER.

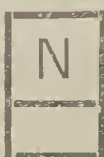
## NATIONAL BERRY BOX

IN ALL  
STYLES



The IDEAL  
IN  
REALITY

Patented Nov. 17, 1903.



O skinned fruit; no nailing; no mildew; no warping; no splitting; no waste; no loss. A fruit preserver, folded in an instant. A clean, glossy, substantial package, aiding in the sale of fruits.

Made from Smooth Paper Stock, coated on both sides with odorless and tasteless best paraffine wax.

### First Year's Results:

Sales in 29 States and communication with 44 States of the Union.

LESLIE STYLE GREATLY IMPROVED—double reinforced on bottom edge, which gives also EXTRA support for bottom on all sides. Folded-up sample sent on receipt of ten cents *WWWWW*

WRITE FOR CIRCULARS AND PRICE-LIST AND READ UNSOLICITED TESTIMONIALS.

## NATIONAL PAPER BOX CO.

KANSAS CITY, MISSOURI.

Upon receipt of 10c we will mail any style of box.

When writing to Advertisers mention the National Nurseryman.



# The National Nurseryman.

FOR GROWERS AND DEALERS IN NURSERY STOCK

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Vol. XVII.

ROCHESTER, N. Y., FEBRUARY, 1909

No. 2

## A REVIEW OF BUSINESS CONDITIONS

### North; South; East; West.

**The Nurserymen Have Had Their Share of the World's Business. They Have Been Affected Less by the Money Panic than any Other Class of Business Men, and They are Warranted in Taking Up the Work of the New Year with Cheerfulness and Confidence.**

#### IOWA.

##### DEMAND BRISK.

From the present outlook it would seem that trade conditions could scarcely be better. The demand for stock is very keen and we have booked at the present time more than twice the business that we had last year at this time. While the season's growth was somewhat backward on some classes of stock still on the whole it was satisfactory. It is our opinion that there is not stock enough to fill the demand for first class apples in the Northwest and sales are heavy on almost every line of stock carried in this section.

C. G. PATTEN & SON.

Charles City, Iowa.

Trade conditions in the west, from what I can learn, are very favorable for an unusually heavy demand for stock next spring.

The sale of many of the retail men is from 20 to 50% more than it was January 1st, 1909, and most of us expect good business from now until spring.

There is an unusually heavy demand for certain classes of stock and the supply in some lines is becoming quite scarce. The west had a great crop the past year, the banks are full of money and the prospects for the future are bright.

J. W. HILL,

Des Moines Nursery Co.

Des Moines, Iowa.

Trade has been in the last year in this region better than common. There is no surplus in stock of any sort except it may be European and Japan plums. Retail salesmen have taken more orders within the past year and are yet doing so, than during any other preceding year. In short, the banker's panic has in no wise affected the farmers in this region. They are more prosperous than ever and their prosperity sets the pace for everything else.

I have not before in forty years known apple trees to be so much in demand or to bring so high a price. The same is true of other things.

C. L. WATROUS.

Des Moines, Iowa.

#### MINNESOTA.

Trade conditions are fairly good in this section of the country—about the same as one year ago. The effect of the panic has not been felt here very seriously.

JEWELL NURSERY CO.

Lake City, Minn.

#### MISSOURI.

Trade Conditions are most favorable and encouraging. There is an active demand for all stock for the spring market; apple trees as well as apple seedlings are so scarce as to amount almost to a famine. Perhaps the only stock in over-supply, judging by bargain offers, are Kieffer pears, and even these should be marketed if reasonable prices are maintained, rather than offering them at less than cost of production. Generally speaking, the day for low prices is a thing of the past. Nurserymen have realized that they have been doing business on too close a margin, sometimes failing to make ends meet. Cost of production has increased all along the line, and stricter and higher grading necessitated by the inspection laws, has decreased the output. Planters are demanding and are receiving a higher standard of stock, and are willing to pay for quality.

STARK BROS. NURSERIES & ORCHARDS CO.

Louisiana, Mo.

#### NEBRASKA.

Trade for Spring delivery promises fully as good as it did a year ago. We believe that the demand for apple trees is probably a little bit less, as owing to the apple failure the past season, there will be very few commercial orchards planted the coming spring. We notice in particular an increased demand for ornamentals of all kinds, which are adapted to the North West. There has been an increased demand each year for several years back on ornamental stock as well as a very noticeable increased demand for some kinds of small fruit, especially strawberry plants. We would say that on the whole, the trade prospects are fully as good now as they have been here any previous year.

MARSHALL BROS.

Arlington, Neb.



Trade conditions in Nebraska are exceedingly good, as we find by comparison that we have booked during the month of December 1908, stock amounting to three times as much as that booked the same month 1907, and orders are coming in more rapidly than they were at this season last year. Everything indicates that we will have a general clean up and no stock in surplus before shipping season commences.

Collections are excellent and money easy throughout the west. We are well pleased with the outlook.

YOUNGERS & CO.

Geneva, Neb.

### OHIO.

We grow nothing but small fruits to offer at wholesale, and owing to the extremely dry summer, our supply is considerably less than normal. We find the same condition exists among other growers of this line of stock in Ohio. The demand last fall was very good, hence the available supply is practically exhausted at this time.

W. N. SCARFF.

New Carlisle, O.

### INDIANA.

#### NOTHING TO COMPLAIN OF.

Concerning trade conditions at this time, we find our retail sales quite a little ahead of our sales at this time last year. We think that nursery stock is not so plentiful as usual, and with a good demand we believe the stock will be cleaned up pretty close next spring.

C. M. HOBBS & SONS.

Bridgeport, Ind.

Trade with us the past year has been very satisfactory. Our sales have exceeded by 25% any previous year. We were favored by getting a splendid growth on our trees—cherry in particular—and since cherry is our principal crop we have no complaint. We have some stock to offer for spring but we sold out well this last fall. We think the nurserymen throughout this section have all enjoyed a good trade. The outlook is bright for good sales next year. Farm crops have been good and the farmer has money to spend for fruit trees. Collections have also been good. The winter so far has been quite open and dry.

H. M. SIMPSON & SONS.

Vincennes, Ind.

### KANSAS.

#### BUSINESS CLEANED UP.

Nursery business in this immediate vicinity is rather dull—cause, practically nothing to sell. Apple seedlings were short crop, and are all gone. Apple and peach also fell below usual output, and are practically all sold, except the light grades, and these will undoubtedly be gone long before Spring packing commences. Some Kieffer pear, but quite a little inquiry for them and believe they will all

go. Prices very good; this helps out somewhat the shortage in stock.

L. R. TAYLOR & SONS.

Topeka, Kas.

At this time of the year—the closing of the seedling trade—is rather brisk in the large inquiry for apple seedlings for which there is no stock on hand or in sight with which to supply the demand.

Apple trees are very high in price and the demand is far in excess of the supply. Naturally this creates a large demand for the apple seedlings. The supply has been exhausted for thirty days with still another thirty days in which seedlings will be much in evidence.

This may not mean a continued high price in apple for the demand for the trees may be greatly curtailed by the time the next springs plant will mature. The pulse of the trade seems to be more feverish than healthful.

A. L. BROOKE.

North Topeka, Kans.

### PENNSYLVANIA.

A review of the trade conditions as I take them from a correspondence extending all over the country is distinctly encouraging. It would seem as if nurserymen were now busy, and expecting to be busier.

J. HORACE MCFARLAND CO.

Harrisburg, Pa.

Our trade was very good last Fall—10% more than the Fall of 1907, and with good prospects for Spring. Fruit trees of all kinds are scarce and in good demand.

HOOPES BRO. & THOMAS.

West Chester, Pa.

As near as I can judge, I find that trade in general is good. During the business depression of the past year, the manufacturers worked off the stock on hand preventing overproduction.

In the nursery business perhaps less sales were made, but the scarcity of stock caused good prices. I only fear that these high prices may induce the nurserymen to over-produce in the future. The prospects are that the coming year will be a prosperous one.

GEORGE ACHELIS (Morris Nursery Co.)

West Chester, Pa.

### NEW YORK.

#### BUSINESS OF FALL 1908.

From our own experience, and what we have gathered from others, we can truly say that the nursery business last fall was not as good as in former seasons, and where the usual amount was sold by dealers, the sales were made through greater energy and more persistence, being used to get them.

No doubt the financial flurry (gambling) in New York, and some other places had much to do with it. The country however at present is sound financially and all right in every



way, and we take a very hopeful view of the business for the coming spring trade. We have as many enquiries, and sales, for all kinds of stock for spring as we could expect, and anticipate a good coming season for all live persons in the business.

JOHN CHARLTON & SONS.

Rochester, N. Y.

The trade so far has been about normal, though it is really too early in the season for us to give a correct report. Collections are improving.

AUGUST ROELKER & SONS.

New York City.

#### A VINE AND SMALL FRUIT SECTION.

We see no reason why the trade for the coming spring should not be good and we believe that it will be better than it was a year ago. Everything indicates that it will be. Sales to date are larger than last year and while it is true that the season was favorable for growing nearly all kinds of nursery stock yet we believe that stock will be closely used up by the end of the season.

T. S. HUBBARD Co.

Fredonia, N. Y.

In this section there is not any great demand for nursery stock except for grape vines and those largely of the Concord variety. Contrary to expectations last fall the demand has been good to this date and the bulk of them has changed hands already, on paper at least. The same may also be said of Moore's Early and Worden the next best sellers. From present appearances most varieties of grape vines will be as closely picked up the present season as the last, which was our banner year, as every thing marketable was sold at very satisfactory prices.

Nursery stock in next best demand here are small fruits of which currants and gooseberries are already practically out of market.

For apples, pears and plums (prunes excepted) there is but little demand. Cherries and peaches sell better and we see nothing in the way of our usual trade. There is also some trade for ornamentals in a limited way, but compared to that of grapes and small fruits it's but a drop in the bucket.

Very truly yours,

LEWIS ROESCH.

Fredonia, N. Y.

#### NEW JERSEY.

Our business was 15% more last year than the year before and this fall it is not behind last year, while prospect for spring is very good. Nurserymen here do not complain and are satisfied, but the Florists complain, since the "crack" last October, a year ago, prices have not been what they ought to.

P. L. OUWERKERK.

Weehawken Heights, N. J.

#### SOUTH AND WEST.

##### NORTH CAROLINA.

The demand for nursery stock has been fair, but the increased cost of production caused by the high price of feed and provision and consequent expensive labor and close inspection laws has cut out all profit.

As the great bulk of Cherry and Pear seedlings are imported, I think duty on these should be taken off.

JOHN H. YOUNG.

Greensboro, N. C.

#### GEORGIA.

##### GOOD ROADS AND AUTOMOBILES.

The fall season is the main shipping season in the South and October and November are exceedingly busy months with the Nurserymen in this part of the country.

Business has been good and I think the Nurserymen generally throughout the South are selling close. We had a fine fruit crop this year and it is stimulating interest in tree planting among the masses.

Commercial orcharding is not making rapid progress with us, as the return of that class of business has not been very good for the grower in recent years, but what the Nurserymen loses in this business with the large planter, he more than makes up with a great number of smaller ones.

The Nursery business in the South in the past has been almost exclusively in fruit trees, but there is a growing disposition amongst nurserymen to propagate more ornamental trees and a growing inclination among the people to plant more of this class of stock.

The South has made good progress in business in the past few years and the people here are in better condition than ever before, and as a result are building better homes, buying better automobiles, and planting more nursery stock. While this condition exists, the southern Nurseryman will have an outlet for his products at remunerative prices.

SMITH BROS.

Concord, Ga.

#### FLORIDA CONDITIONS.

The Nursery trade in the South has suffered somewhat during the past year owing to the financial depression. The South, while usually the last part of the country to feel financial depression, is equally slow in recovering from it. We have noticed a decided falling off in both orders and enquiries from nurserymen and dealers doing business through agents and salesmen throughout the Lower South the past fall and winter, as well as this fall.

We look forward, however, to a much improved condition between this and Spring. In fact we are already feeling the improvement in our retail mail order department as many customers who cancelled orders for delivery last winter and spring are now placing them and asking for early shipment. We look forward to a very active spring business and think that next year will be one of the best years the Southern nurserymen have ever known.



Our company has greatly increased their stock of budded and grafted pecan trees, persimmon trees, Amour River Privet hedge plants, Scuppernung and other Muscadine grape vines; aurea nana, arborvitae and other ornamental trees and plants, many of which have heretofore been ordered from Northern and Northeastern Nurseries. With our favorable climatic and soil conditions, we are in a position to furnish this class of trees in a better quality and at a lower price than they can be grown or furnished in the North and East.

In making a specialty of growing this class of stock, we are in a position to give a high quality and quick service.

Our planting and propagating along these lines another season will be on a more extensive scale than in the past.

We have great confidence in the future of the nursery business in the lower South, especially along lines in which we are specializing.

C. M. GRIFFING, Secy.  
The Griffings Bros. Co.

Jacksonville, Fla.

#### A FLORIDA PECAN GROWER.

Our business this year has been very good; in fact, better than ever before. We have sold considerably more trees than we did last year, and the present indications are that we will be almost completely cleaned up at the end of the season. We still have a good assortment, however, in a few of the leading varieties, especially Stuart 3-4 and 5-7 ft. grades. Pecan seedlings in this section have not made a good growth this year, and for this reason there will not be as many grafted this winter as usual. From this cause, as well as the general improvement in business conditions, we think there will be a strong demand for trees next fall.

THE NUT NURSERY COMPANY,  
Monticello, Fla. R. C. SIMPSON, Mgr.

#### TEXAS.

Trade conditions in the southwest have been good. Most of the nurseries have pretty well sold up their fall surplus and have a reasonable amount on hand for spring trade. The fall and winter so far have been very favorable indeed, and trade has continued brisk up to this writing. Collections are proving very good.

TEXAS NURSERY CO.  
Sherman, Tex.

#### THE NEW PACIFIC NORTHWEST, EASTERN WASHINGTON.

While there is a fair demand for nursery stock at paying prices, I am not too sanguine about the business flourishing for the next year or two. The most of the trouble we have to cope with is in the multitude of "farmer nurseries;" these fellows who purchase from eastern nurseries a small quantity of root grafts and propagate them, then don't know how to dispose of them and put them on the market at slaughter prices. These little nurseries are springing up all around us in every valley. It is not so much the quantity of trees they sell as it is the impression they leave

upon the planters. Nearly all of them are of the opinion that the nurseryman is making altogether too much money.

There was a large increase in the acreage of nursery stock in this state last year but it will probably be mostly all worked off before the season is over. Owing to the high prices of seedlings this year this acreage will probably be reduced during the season of 1909. Then there will probably be a return to conditions as they have existed in the past few years.

If the government irrigation projects and a fair average of the private irrigation schemes are successful the demand will probably be good for next spring deliveries. Planters are gradually coming to the knowledge that fall deliveries are the best.

#### THE FRUIT CROPS.

With regard to the prices of fruit, you have probably only heard the very best results and those stories are doubtless true; in some instances on small acreages the returns of fruit crops have been something almost unbelievable to the person who does not actually know the circumstances. This year we have had probably the best apple crop the state has ever known. The earlier sales were low in price but yet the immense yield has given the fruit grower good returns.

At present the farmer is receiving \$1.50 for Spitzenberg and \$1.25 for Winesap and Jonathan and about these prices for other high grade apples. This price is per box. Pears have paid a good profit as also have sweet cherries. The peach crop while good in quantity was low in price and probably the least money was made in this variety of fruit, yet I believe there was a profit even this year. I know of one orchard that netted the owner \$300.00 per acre on Elberta and Salway. Of course this was a splendid orchard, well cared for and sold to better than average advantage this year. This is like the stories you have heard; the very best to be found in the valley.

Eastern people can hardly realize the productiveness of this soil when once put under irrigation and properly cared for. It is no wonder that there are many people who hesitate to believe what they hear concerning this western country, and yet, all of these reports can be proven. It is like a mining country, you hear of the fellows who make the great strikes but the multitude that do less are not noticed. There are not very many people who make an absolute failure in fruit growing here, in fact, I believe there are the smallest percentage of failures among the farmers here of any locality I have ever seen.

YAKIMA VALLEY NURSERY.  
North Yakima, Wash.

#### EASTERN ASSOCIATION OF NURSERYMEN.

This association met in Rochester on January 27th. The meeting was well attended by representatives from Ohio and the principal nursery region of New York. An informal discussion on trade matters occurred after which the election of officers took place resulting in the installing of the same men.



# THE TARIFF ON NURSERY STOCK

## A Comprehensive Review from the Standpoint of Importer as well as Grower.

Every Man Has a Right to be Heard on the Tariff Question for in One Way or Another Both Producer and Consumer are Concerned Directly or Indirectly. No One Firm or Group of Nursery Firms is Expected to Dictate the Fiscal Policy Affecting the Nursery Interests of the Country. Keeping in Mind the Vigorous and Generous Efforts of the Committee on Tariff to Secure a Satisfactory Revision and the Fact That They Wish to Obtain from the Nurserymen of the Country Their Views on This Important Matter, We are Pleased to Present the Following Extracts From Letters Received From All Parts of the Country. It is Interesting to Observe That a Note of Confidence in Our Ability to Stand Alone and Unprotected Appears Here and There. The General Argument Appears, However, to Favor an Increase and a Specific Rather Than Ad Valorem Duty.

### SOME VIEWS FROM NEW ENGLAND AND NEW YORK.

We do not see any reason for their being any duty on Myrobolan, quinee, pear, Manetti and Maheleb stocks, practically none are grown in this country, therefore, why should the nurserymen be taxed for them? Of course, large quantities of apple seedlings are grown in the West, but they have become, in many cases, infected with disease so that Eastern nurserymen at least are depending more and more on imported apple seedlings and will continue to do so whatever the duty may be, rather than run the risk of losing 50 to 75% of their crop by disease caused by using seedlings infected by disease on the start.

We think the duty on large conifers, ornamental trees, and shrubs should be increased, as at present rates, Holland growers can successfully compete in these lines with nurserymen in the Eastern part of the United States.

THE BARNES BROTHERS NURSERY CO., INC.,  
JOHN R. BARNES, Pres.

Yalesville, Conn.

### MASSACHUSETTS AND THE UNSELFISH REPUBLICAN.

The handwriting on the wall is that protective tariffs must go. I am a republican and grow a certain class of plants that would be benefited by a tariff but it is nothing but absolutely sheer selfishness on my part to expect everybody else to support me by protecting my specialty. I realize that this attitude is unusual and may sound modest to the ordinary hearer, but you must understand that I am almost in the socialist ranks, and as I intimated before, if with good health and the greatest natural resources in the world we cannot exist in the United States without coddling a few who happen to be on top, then let us go out of existence and let some more virile race take our place.

I am at little loss to know why you would be delighted to give me space in the February issue,—whether it is to “soak” me for my rather socialistic views or whether you have a tendency that way yourself. However, it wouldn't make the slightest difference with me which attitude you happened to assume so far as I am concerned. For yourself you had better jump on the band wagon and cut

out some of your protective ideas, which I think have been inoculated in your veins.

You must remember that I was brought up a New York Tribune Republican, but that is no reason why I should stay a “hard-shell” all my days.

To me it is highly amusing how our library philanthropist Carnegie has suddenly seen “the great light” after he has made his neat little pile and now sets back with smiling face and gives Public Library benefits to all mankind out of his gains made by protective tariffs and perhaps railroad rebates.

HARLAN P. KELSEY.

Salem, Mass.

### WESTERN NEW YORK.

In revising the present tariff, of which we have our doubts of much in it being changed, we express ourselves as follows. In adjusting same, common sense views should prevail and where any changes are made it should be for the benefit of all concerned.

We advocate a specific duty should rule on all fruit-tree and other stocks, cuttings, seedlings and layers, so much, say \$2.00 or so per thousand, but no ad valorem duty to be placed in addition. These stocks, and seedlings of all kinds which take two and three years to bring them fit for market are beneficial to all growers in this country. The blooming roots and plants used by florists, such as Chinese Azaleas, hyacinths, lilies, tulips and other bulbs should be admitted free of duty, but all other stocks such as ornamental trees, and fruit trees of all kinds, and roses, rhododendrons, paeonies, clematis, Dutchman's pipe and some other items should have a specific duty 5c on each and every kind fit for immediate planting. This would encourage the American growers and give a healthy tone to the business.

We would instance the evil of the present tariff to our growers, by one illustration. Take roses for instance. It is asserted that about two millions of roses are passed through the New York custom house each season. These roses are fit for retailing and planting in the garden, a *finished product*. About one half of these imported roses are sold by department stores, retailed at 10c. each, this



would be a fair wholesale price. Thousands were sold from these stores at Rochester, spring of 1907 at 3c. each and this completely demoralizes the business of the growers and florists each season. The nursery business, is the only business in the country where FINISHED articles are brought in, ruining the growers of same in this country. To produce these plants the *foreign* workman gets about 62c. per day, while our workmen get \$1.50 or more for same time employed in this country, and these men and their employes should have in these instances a protection which will protect. We hope the tariff Committee sitting at Washington will see their way to granting the views of the Nurserymen's Committee sent there for that purpose.

JOHN CHARLTON & SONS.

Rochester, N. Y.

We think the tariff is high enough now on nursery stock and do not believe in increasing it on roses, shrubs, etc., and are in favor of removing it altogether on stocks not grown here, to an advantage.

THE HAWKS NURSERY CO.

Rochester, N. Y.

We think that the tariff should be revised in regard to nursery stock.

T. S. HUBBARD CO.

Fredonia, N. Y.

#### PENNSYLVANIA FAIRLY WELL SATISFIED.

Not being much of a tariff man, I have little feeling with respect to that subject and will not attempt to discuss it.

J. HORACE MCFARLAND.

Harrisburg, Pa.

[The first time we ever knew our friend McFarland to be tongue tied. ED.]

I believe the revision of the proposed tariff will be a benefit to the nurseryman; it will, in a measure, prevent private parties, and dealers in nursery stock, not growers, from importing when they can buy cheaper from the home nurseryman.

GEORGE ACHELIS.

West Chester, Pa.

We agree with the Committee of the American Association of Nurserymen who visited Washington and made a schedule of rates for duties on Nursery Stock.

HOOPEBRO. & THOMAS COMPANY.

West Chester, Pa.

#### TEXAS.

##### SOME VIEWS ASIDE FROM TARIFF REFORM.

In the matter of tariff revision, it would be to the interest of the southwestern nurseryman to have the tariff on nursery stocks lowered, as under the present conditions importations made by us are almost doubled in cost by the high tariff now prevailing.

In the matter of the program we believe that one of the principal matters of interest to the shippers of nursery

stock is to get a better service by freight. Nurserymen are subjected to very heavy damages by the unwarranted delays, especially of the local shipments, and we believe that this should have the earnest consideration of the program makers.

The question of a better grade of stock, free from disease as well as a better class of dealings with our customers, especially where it is done through salesmen, we believe is challenging the consideration and attention of the nurserymen. The matter of salesmanship has been greatly abused and needs improving. Discussion along this line would be profitable.

TEXAS NURSERY CO.

Sherman, Texas.

#### THE MIDDLE AND NORTH WEST.

Our views on the tariff revision are pretty well expressed by the committee on that subject whose report you published last month. We believe, however, if the tariff is to be reduced on all lines that we should accept our pro-rata. In our opinion tariff on our products is very necessary to good prices in this country.

H. M. SIMPSON & SONS.

Vincennes, Ind.

As to our views on the tariff question. We are not growing such stock as is affected by the tariff. We suppose that the large growers of evergreens, roses, stocks, etc., will insist on a tariff. From our standpoint as growers of general nursery stock I think we can get along with very little tariff, but we are willing to protect the infant industries if it is deemed necessary.

C. M. HOBBS & SON.

Bridgeport, Ind.

In reference to our views of Tariff will say that the Western Association had that matter under discussion and, if our memory serves us right, they endorsed the recommendations of the Tariff Committee offered by the National Association.

YOUNGERS & CO.

Geneva, Neb.

The action taken by our Tariff Committee on the question of revision of the tariff on nursery stock has my endorsement. While some positions taken by them are not exactly in accordance with my view yet on the whole I think the plan adopted is good and I shall do what I can to see that it is acted upon favorably by Congress.

J. W. HILL, DES MOINES NURSERY CO.

Des Moines, Ia.

We do not believe that the tariff on Nursery stock should be changed to any appreciable extent. It seems to us that it is as near right in a general way as we are likely to get it.

C. G. PATTEN & SON.

Charles City, Iowa.

If I should say anything about the revision of the tariff on nursery stock I should have to express serious doubts



whether or not all this Mississippi Valley is in any wise benefited by any tariff whatever, on all seedlings and on ornamental shrubs, roses, etc. There is, so far as I know, but one firm in this region growing Mahaleb stocks and in spite of that, nearly all the stocks are imported. We pay one fourth more than we should and like the imported stock best. The same is true of roses and small shrubs. As to small evergreens, it is about a stand off. Some kinds are cheapest even with the tariff added; in other cases the home grown are most available. I should like to see the tariff reduced rather than increased.

C. L. WATROUS.

Des Moines, Iowa.

Second: We believe tariff should be revised on nursery stock, and especially between the U. S. and Canada it should be removed entirely. It would be for the benefit of both of these neighboring countries if this tariff were cancelled.

JEWELL NURSERY CO.

Lake City, Minn.

The tariff: We believe it was the late Grover Cleveland who at the time of his first election said he knew but little about it; we must claim a like distinction. The Western Association approved the schedule as recommended by the Tariff Committee. Personally, we believe in free trade, but from a selfish standpoint the tariff may, in a small way, do for the nursery trade, what it has done for the Steel Trust in a big way.

STARK BROS. NURSERIES & ORCHARDS CO.

Louisiana, Mo.

#### AMONG THE APPLE STOCK MEN.

Your tariff committee should see to it that there is no increase of tariff on nursery stock. If there is any change it should be downward. If possible take off *ad valorem* and place on a specific duty and thus avoid trouble in passing imports. Great care should be exercised in getting this change not to place the duty higher than it is at present.

Equity demands a sliding scale for the different grades of seedlings.

A. L. BROOKE.

North Topeka, Kans.

#### A SLIDING SCALE ON NURSERY STOCK.

Our views on tariff revision are somewhat at variance with those of the National Committee, as set forth in December number of the Nurseryman. It seems to be a well established fact that the tariff will be revised under the incoming administration, and that the revision is to be along the lines of lower, rather than increased duties. We are somewhat doubtful, therefore, as to the wisdom of submitting a schedule calling for increased duties, as it may result in the "powers that be" going altogether too far in the opposite direction. We know the Committee states that under the schedule as proposed the rates will be raised but very little. We can't arrive at that conclusion, especially as it relates to proposed duties on fruit tree stocks—an

item this section of the country is more particularly interested in. We heartily agree with argument put up by the Committee asking for the doing away of the *ad valorem* rate and applying only a straight specific duty. We think it very desirable for the trade in general that this change be made, as the present system is a great annoyance to say the least. We think that instead of a straight \$1.00 and \$2.00 duty per M. on these stocks, as proposed, a sliding scale should apply, commencing with figures named for No. 1 grade and dropping a certain amount on each lighter grade. In the West and Southwest the No. 2 grade is largely used, especially in Mahalebs. August and September are the best months for budding these stocks here, and this grade produces at that time stocks as large as can be budded successfully. Taking a recently received price list, it can easily be figured out that the duty under the proposed schedule on No. 1 stocks, or say  $\frac{5}{8}$  mm. grade, will be increased from 14 cents per M. on Mahalebs to about 18 cents on pear figured on  $\frac{5}{8}$  mm. grade; while in two instances (Mazzards and Myrobolans) the new schedule will be cheaper by about two cents per M. Now, take No. 2, or  $\frac{3}{8}$  mm. grade, and under the proposed schedule we find the duty will be increased materially on every item, ranging from 35 cents on Mahalebs to 79 cents per M. on Pear. Now, our contention is that if a No. 2 grade of stocks will give as good results to a certain section of the country that a No. 1 grade will to another; then the user of the lighter grade should not be required to pay any more money in duty to secure that grade than the buyer of No. 1 stocks. A sliding scale of about 25 cents per M. less on each grade under No. 1 would, in our opinion, remedy the defect referred to herein and allow each buyer to use whatever grade he preferred at practically the same cost in duty, and which we believe is only fair to all concerned.

Another matter, that must be considered in this connection, is that of freight rates. The rates to the West and Southwest are fully double what they are to Eastern points. Therefore it behooves nurserymen in this section, where possible, to use the lighter grades.

L. R. TAYLOR & SONS.

Topeka, Kans.

#### A NEBRASKAN'S VIEW.

In regard to our advise on the tariff revision in relation to nursery stock, there are some points about it which we feel quite interested in, for instance, one is that of the duty on roses. We have noticed some individuals have been advocating a rise on roses. The rate that is now paid, we believe is  $2\frac{1}{2}$ c. We think this is plenty high and should be left where it is, at least not raised any more. We all grow more or less roses and we feel that this amount protects us amply. Our leading rose growers, since they have thoroughly learned the varieties easiest grown, have just quit and will not grow some of our very popular varieties, General Washington, for instance, so that the rose buyers must go to European markets for such varieties in order to get plants to supply his trade. To have to purchase these in Europe and pay any more than  $2\frac{1}{2}$ c import will surely seem to us to be an injustice.



Then as to Mahaleb and Myrobolan stocks some are advocating the idea of putting a certain amount per M on these stocks, regardless of their grades or the invoiced price. This surely does not look like the right thing to do. Some parts of the country demand a large Mahaleb stock, while others, a small grade for the reason that they will take hold and make more of a growth the first season in some parts than in others. The purchasers of the Mahaleb stock in the North Western States, generally secure a No. 2 or a No. 3 plant, as those grades planted here, will be plenty large, when budding season comes and consequently are better than to plant the No. 1 grade. The invoice price on them, of course, is smaller, the bulk smaller, hence the freight less and it stands to reason that the duty should be lower; for if the duty is to be only specific, there ought to be a sliding scale put on the different grades. In such case we imagine they should about settle on the \$1.00 per M for No. 1; 75c per M. on the No. 2; 50c per M. for No. 3. Now this general reform of the tariff, as we understand by the requests of the people in general favors lowering it than otherwise, hence our suggestions especially regarding roses.

As to stocks as above mentioned, if you want to donate this revenue to the Government, it is all right but as far as protecting our home grower is concerned we cannot see why there is any duty on Mahaleb or Myrobolan on that account. With all the protection we have had, we do not believe that there are as many of these stocks raised in the United States today as there were 15 or 20 years ago. The fact of it is, we can not bank on them being a success here. Some years they have been handled in what you might call a profitable manner in some parts of the country, and in other years again, there would be none and we have then to depend on Europe altogether for them. We can not see why there should be any duty on these stocks any more than there should be on bulbs: As we understand it the duty is taken off bulbs altogether, the idea being that we can not grow bulbs any way, hence no need to burden ourselves with duty as long as we have to depend on Europe for them. The case appears to us to be parallel.

Now, of course, the above is simply our individual opinion about what is just as regards this question, but we naturally suppose that some duty will be left on the stocks, hence we would recommend the sliding scale mentioned above.

Yours very respectfully,  
MARSHALL BROS.

Arlington, Neb.

### THE IMPORTER'S VIEWS.

We think it a capital idea that you address the American Nurseryman on the TARIFF subject for his *individual* views. Let all the 4,000, or more, nurserymen send their replies, publish them, and send your paper to the Ways and Means Committee, that will influence such committee more than the briefs submitted by a few members of the tariff committee of the A. N. A. The individuals, as, mere importers, have no views, but merely charge back our outlays. Specific duties are the best; but in the form as

proposed, they will force rigid inspection of contents, consequent delays, and loss of contents.

AUGUST ROELKER & SONS.

31 Barclay St., New York City.

I am not in a position to give you much information, but would say in regard to the new tariff rates, that I consider four cents duty on each rose, as entirely too high, and that the proposed specific rates on Evergreens and large Ornamental Trees, will cause much confusion, and will eventually revert back to the old law, requesting that a certain number of cases from each importation be sent to the Appraiser's Stores for examination.

Neither am I in favor of putting bulbs and Belgian plants on the free list, as I think that the present rate of duty, 25% *ad valorem*, is not too high.

H. FRANK DARROW,

26 Barclay St., New York City.

### INTERESTING VIEWS OF AN IMPORTER AND FOREIGN GROWER.

I did not have any intention before of saying anything in relation to tariff revision. Being an importer and foreign grower people might think that I was too much interested in this matter, but as you wish my opinion, you can have it, even if it is contrary to the opinion of many nurserymen.

Born and brought up in Free Holland where the people scoff at the few protectionists who ask for duties on imported goods, it took me some time to understand that conditions were not exactly the same here. There, tariff matters are discussed between Free Traders and those who for some reason ask for a duty levied on imported goods, while here everybody is for levying duty, but they do not want it on the same line of goods, and all consider it as a kind of taxation to maintain the government. Taken from this point of view, there must be a tariff, and the proper question is, to what extent must the nursery trade bear this tax? How much must we pay for the goods which we have to import for our business compared with other branches of the trade?

### TAXES FOR REVENUE.

Of course taxes must be paid under one or other form, but I can not see how the paying of high taxes or duties can protect anybody, so I think our trade ought to strive for low rates and not for high rates as the protectionist seems to think, especially in our trade where the stock imported is needed for further propagation, or for direct orders when the stock cannot be gotten at the moment wanted, but would have to grow first and that would be too late to fill the orders. Nursery stock is not sold directly by the foreigner to the consumer but is only sold to the dealer in the trade. The nurseryman who wants to stock his nursery with young stock must import his material which he has not got, or can not conveniently grow on his land and has to pay an additional 25 or 30% by this taxation. The dealer who needs full grown stock, trees and shrubs to fill his orders and cannot get them in neighboring nurseries has to im-



port his goods and pay the additional duty. The Florist who imports the hyacinths, tulips, azalea indica, roses, pot grown lilac, deutzia's and other shrubs from foreign countries because they are not grown here has to pay the duty, and, after caring for the imported stock, paying wages, cost of greenhouse room and heating, the necessary cost of forcing this stock in bloom, he has no way of recovering the additional duty from the consumer by charging a higher price, but has to sell it at the moment it comes in bloom at the market price which he can not control but which is regulated by the natural law of supply and demand. So the duty paid on nursery stock is not paid by the consumer, but by the trade and should be treated as raw material.

#### FOREIGN LABOR SCHEDULES.

No. The protectionist will reply, we want protection against the foreigner. In what way do they want to be protected? To know that let us go over the reasons given by Mr. Pitkin and others given before the Committee of Ways and Means in Washington. In the first place the Labor Question. They claim: In France and Holland the average price for labor better skilled than ours is 40 to 60 cents per day for men and 30 to 50 cents for women, as against \$1.50 to \$2.00 per day in the nurseries in the United States. That sounds well for American labor.

But why not have stated what our men in Holland, (we do not employ women) earn per year against the men here? Or compare what we in Holland pay *per acre* on wages with the American Nurseryman?

If our men in Boskoop could double or treble their income they certainly would immigrate and come here to work. But I do not see many coming so far, and the few who have come, went back as soon as they had a chance. They prefer the 60 cent wage in Holland against the \$1.50 or \$2.00 here because they get their wages the *whole year around*, rain or shine and whether there is work or not. In Holland we keep our men and in this way we are able to have skilled men the whole year. In America the nurseryman does not employ more help than he is compelled to have at the moment and discharges the men as soon as work is slack, the consequence is that he has very little skilled help to look after his growing stock which has to grow as it pleases and as soon as digging and planting is done his discharged men may flock to the overpopulated cities and multiply the army of the unemployed. And to continue this discrimination against American labor they ask the co-operation of the Government.

If the capital spent for duties by the nursery trade was turned in to labor, our American friends would not only get as good skilled labor as we have but they would get a nice high interest on the money laid out as he could grow better trees and save many trees which he grows now for the brush pile, this would help the workingman and be better than a protective duty.

#### ADAPTATION.

On roses they want a duty of  $4\frac{1}{2}$  to 5 cents each. For what? The climate, soil, etc., enables the Holland

nurseryman to grow 80,000 plants to the acre against the American grower only 18,000.

Being a Hollander of course I know what the Holland climate is, but what they mean by comparing this with American climate I have no idea. I should think that between the Atlantic Ocean and the Pacific and between semi-tropical Texas and cold Manitoba nearly all climates and conditions can be found, and if Rochester or any other place where they have tried to grow roses is not profitable, why not try another place? Suppose the figures were true, do they mean to say that if we in Holland, plant the same number of roses or cuttings on an acre of land, that the American grower plants on his acre, that we can produce a harvest of four times the number of plants which he can produce? And do they want their incompetence protected by law and have the consumer pay for it? If the present duty on roses is removed the Hollanders will increase the price. I wish we could, but as there are more than 500 growers in Boskoop alone I think the regular ruling of supply and demand will be enough to prevent us raising our prices, and what they say about the inferior stock in Holland, we will pass over unnoticed and let our customers judge about it. Why the fib was told about Germany placing a prohibitive duty on Holland nursery stock is more than I can understand.

#### THE GERMAN TARIFF.

Germany has enacted a tariff and nursery stock pays by the weight. This may be hard on the trees and plants which are generally shipped with a ball of earth as pot-grown lilac and conifers but that does not amount to much on roses, as they do not weigh much. A bundle of 50 roses does not weigh more than a single pot-grown lilac or a conifer of 3 foot. And if that is meant to bar Holland nursery stock from Germany it is a sorry failure as in the last two years more nursery stock is shipped from Boskoop to Germany than ever before, and of course the German florist has to pay the piper.

#### SPECIFIC DUTY UNFAIR.

A specific duty instead of an *ad valorem* duty on conifers and Ornamental shrubs is unjust and impracticable, as the common shrubs and Conifers which cost least to grow will pay the highest rate of duty; for instance, Hydrangea paniculata or Spiraea will cost 5 cents from duty just as well as the grafted shrubs, and a Retinospora pisifera will cost 60 cents for duty if it is 4 feet high and a Retinospora Obtusa nana or Filifera aurea of the same size which cost ten times as much will only pay the same. Why they want a duty of 5 cents on Peonies which are offered in the florists papers at \$30.00 per 1000 I cannot understand.

The law as proposed is so complicated that no custom-house official who is not a nurseryman can understand it and will give lots of trouble to the importers of this kind of merchandise.

If you ask my view about a tariff for the general good I must say, make it as low as possible, and it would be for the interests of all, to place all plants and nursery stock on the free list.



Our American mountains are denuded, and on this account the streams are drying up to the detriment of the lower lying country. Our country roads which should act as windbreaks for the farming land are barren and our private places are in horrible condition.

What we need is trees, trees of all description by the millions to fill the places of the fallen and we need them badly and can not wait until a few protectionists get good and ready to grow them for us.

My friends the nurserymen do not need to be afraid, Holland has no idea of sending war ships to smoke the President out as they did in Venezuela and the Holland nursery men have no intention to do any harm to Rochester, or any other nurserymen but are only coming over to supply your wants.

It is a very dear idea of protectionists that by barring imported trees and Conifers that they may be able to sell to their customers something else that they have. That may be right in some instances but as a whole it is a dangerous theory and my friends better take notice.

Some of the largest possessors of estates are beginning to send their own representatives to Europe to buy from the nurseries direct, and if that increases the nurserymen will be out of the profit they would make otherwise from this deal and this may create a condition that will cause the European nurseries to open retail departments right under their noses. It is bad enough as it is now that they let the department stores get the best of them and earn a nice profit that really belongs to the nursery trade.

P. L. OUWERKERK.

Weehawken, Heights N. J.

### GROWING APPLE SEEDLINGS IN FRANCE.

ORLANDO HARRISON, Berlin, Md.

The special object of my visit to France was to make a study of the methods employed by French growers in the propagation of apple seedlings. In order to make the investigation as effective as possible, before starting, I cor-

responded with various experiment station officers in this country, asking for suggestions in regard to the particular type of inquiry I should carry out. These suggestions were tabulated, and my examination of the seedling industry was to that extent materially systematized. The results of my findings may be briefly formulated as follows:

1. Apple seedlings are grown from mixed seed of crab and cider apples. The only restriction placed upon the seed is that it be plump and sound.

2. The climate of the apple seedling region in France,

which lies mainly in the valley of the Loire River, is particularly favorable. There is no great extreme of heat or of cold. This uniformity is conducive to regular well-ripened growth.

3. Soil is well adapted to cultivation of plants. It is deep, alluvial, bottom soil, with a considerable degree of natural sub-irrigation. An embankment controls the River Loire making much of the nursery land almost on a level with the water and sometimes below when the latter is high.

4. Labor is cheap, efficient, because these men, women and boys work in the nursery fields in families, and generation after generation. The type becomes ingrained and in a measure hereditary. In this way little overseeing is required and much of the expensive part of direction is obviated.

5. Apple seedlings usually follow a potato crop, and it is found that the soil will not continue to

grow seedlings for a few years. On the contrary, when a good crop is taken from the field, it is rested by growing other crops on it for several years before it is again planted to apple seedlings.

6. The apple seedlings are transplanted from the seed beds to the nursery row. While this is expensive from the standpoint of labor, yet it insures an excellent root system, gives each plant proper and sufficient space for development, and therefore reduces the amount of the poorer grades.

7. Growth is comparatively slow, for the growing season is long, and this permits the wood to ripen thoroughly in the autumn before the digging season arrives. The



Orlando Harrison in a Bed of Apple Seedlings, Lebreton's Nurseries, Angers, France, Aug. 1908



trees are not dug until the natural fall of the leaf. Strip-ping does not seem to be practiced as is the case in this country.

8. In the matter of handling the seedlings when out of the ground, our French nurserymen exercise much more care and discretion than is often seen in this country. The seedlings are not exposed to the sun and wind, nor as indicated above are the leaves sweated off by using artificial heat. There was little evidence of aphid either on leaf or root.

9. Persistent inquiry in regard to the prevalence of crown gall and hairy root elicited the information that these troubles occasionally appeared, but that all infested specimens were discarded. Not only were they separated, but

they were destroyed. The diseases were regarded as dangerous and something that must be treated in the most sanitary manner possible.

10. It does not appear that all of France is equally well suited for growing apple seedlings. There is in fact a comparatively small area in central France, in the region mentioned above, which seems to be peculiarly adapted to the cultivation of fruit stocks. This is undoubtedly owing to soil as well as labor conditions.

11. Summing up then briefly the salient features of the French apple business, I would say that they have a peculiarly favorable climate, they have rich soil well adapted to the culture, and finally they are blessed with an adequate supply of skilled, efficient, and withal cheap labor.

## EDITORIAL WANDERINGS

The editor found himself, he was almost going to say in the wilds of the Pine Tree State, about the middle of November, that month classed with the group of the "saddest of the year," etc., and at a time in Maine when railway stations are crowded with hunters and gunners. A few years ago one might have said, dogs and other hunters, but nowadays the deer have better protection and a greater chance for life. Apropos of this and judging from discussions one hears occasionally, they are altogether too well protected; if one were to take the laments and protests of some New England orchardists as representing the actual situation, the deer has turned the tables on the New England resident and is carrying the war into his own camp. But our guess is that this situation will not last long. Of course it has its very annoying features at the present time, but our shrewd opinion is that for one orchard injured or destroyed by deer, there are ten which "go by the board" by reason of neglect and carelessness on the part of the owner.

November is an attractive season of the year, notwithstanding the supposed melancholia which surrounds it. Especially is it attractive in New England when the trees are shedding, or have shed their brilliant autumn coats and the rugged outlines of the hills are being revealed. It is then that we appreciate the sentiment, picturesque New England.

In coming down from Boston,—or may be it is going up from Boston,—to Waterville, one of the regions which attracts the traveler's attention, is the territory surrounding the so-called twin cities, Lewiston and Auburn, separated only by the boundaries of the winding Androscoggin. Here manufacturing and the attenuated remains of the lumber industry are apparent. There is little to suggest tree growing either from the standpoint of the nurseryman or the orchardist, but nevertheless there is abundant opportunity. Many of the rocky hillside might be utilized in the growing of good Spies and Baldwins, hillsides that now stand practically idle or bring comparatively small returns in milk and butter.

The objective point of our journey was Waterville, which is known as the seat of Colby College, an institution of learning, whose history goes back to the early years of

the last century, and which represents one of the conservative and much respected colleges of the east.

The Pomological meeting was fairly well attended. The Pomological Society of Maine is one of the older horticultural organizations of the country. It receives a grant of a thousand dollars from the state, which provides a prize list for fruit and flowers and thus secures an attractive adjunct to its annual meeting. This grant enables it also to hold summer meetings and publish a creditable report. The exhibition this year emphasizes, as in years past, the fact that in these relatively high latitudes the character of color and quality become manifest in apples, and that Maine can produce as fine apples measured by appearance and quality as any part of the country. The question is, why does she not produce more?

One of the difficulties undoubtedly is that business and manufacturing interests of the state are dominating, and the young men who ought to take up fruit growing in a commercial way are led off into other channels which promise larger and more immediate returns.

Again the orchard interests of Maine are apt to receive a rude shock at the hands of Old Boreas from time to time. Such an one occurred in the winter of 1906-7, when the cold was somewhat more severe than normal, and this was accentuated by the fact that the snow fall was abnormally light. Thousands of trees were injured and many more were killed. But after all this condition is one which attends fruit growing and farm cropping in all parts of the country. There is no region which is absolutely exempt, and the Maine fruit grower should make up his mind to stick to the enterprise with the conviction that he will win out in the end. The Maine State Pomological Society has a great field before it and the officers of the organization seem to realize their opportunity.

The National Nurseryman,

Gentlemen: Your favor of the eleventh to hand.

Enclose you \$1.00 for our renewal to the NATIONAL NURSERYMAN for 1909. Would not like to be without your papers.

Respectfully,

BRUCHLY AND BUTTS.



# The National Nurseryman

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American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.  
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.  
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.  
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.  
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.  
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.  
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.  
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.  
Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.  
Pennsylvania Nurserymen's Association—President, Thos. B. Meehan, Dreshertown, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.  
Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.  
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.  
Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.  
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.

## SULPHUR SPRAYS.

The interest in these sprays, a few years ago practically unknown, is increasing to such an extent that one now hears comparatively little of the copper-salt remedies formerly so much discussed at fruit growers' conventions. The lime-sulphur wash used so extensively on the Pacific Coast was tried here a number of years ago and reported unfavorably. Later trials gave better results, and now growers are not only using it for an autumn or winter spray, for which it was originally recommended, but are employing it in diluted form on the foliage during the growing period. Western experimenters have claimed that apple scab may be controlled. Investigators in the Bureau of Plant Industry are claiming that peach curl, black spot on the peach, and rot of the peach may largely be controlled with this mixture by using it during the growing period. The New York Experiment Station reports that trials with the prepared or commercial mixtures of lime and sulphur injure the foliage when diluted as much as one gallon to fifty of water. On the other hand, this weak mixture did not reduce scale very much, while the fruit of cherries treated with it was blotched to some extent. Nevertheless, the commercial mixtures seem well adapted for dormant season use. When diluted to the extent of ten or twelve gallons of water to one of the mixture, good results are secured.

At the recent meeting of the New York State Fruit Growers Association at Medina, this subject occupied more attention than any other topic presented to the convention.

## RECENT IMPORTATIONS OF BROWN TAIL MOTH IN FRENCH APPLE SEEDLINGS.

BY DR. E. P. FELT, STATE ENTOMOLOGIST, NEW YORK.

Recent importations and the wide dissemination of French seedlings badly infested with the peculiar, winter nests of this European insect, have created a serious condition of affairs. This pest became established in eastern Massachusetts over a decade ago, and since then has extended its range northeastward into New Hampshire, Maine and even Nova Scotia. Its westward spread has been relatively slow and it is not known to occur west of the Connecticut valley.

Experience in Massachusetts has shown, in a most convincing manner, the destructive capabilities of this moth. It thrives upon white and other oaks and wild cherry, is abundant on maples and elms, displays a marked partiality for pear, plum and apple and is capable of subsisting on the foliage of a large number of other trees and shrubs. Furthermore, the finely barbed hairs of the caterpillars drift in the air, fall upon the unprotected skin and frequently produce an intense irritation known as brown-tail itch, an affliction responsible for much suffering in sections where this insect is abundant. No effort should be spared to prevent such a pest gaining a foothold in widely separated parts of this country.

The habits of this species are such that it is comparatively easy to prevent its establishment. The small, brownish, hairy caterpillars about  $\frac{1}{4}$  of an inch in length,



winter in silken pockets of firmly webbed nests attached to the smaller twigs. These nests usually have one or more partly rolled leaves included in the structure and are an inch to two inches or more in length and therefore easily detected. These nests, near the tips of twigs, are very different from the large, relatively open nests made in forks of branches by our common tent caterpillar, and are much smaller than the open webs enclosing many brown leaves, made by the fall web worm in late summer and early fall. The brown-tail moth caterpillars emerge from their snug retreats in the spring and commence feeding on the tips of the branches. The full grown, reddish-haired caterpillars are an inch or more in length and have a series of long, white spots on either side. The snow white, brown-tailed moths, with a wing spread of about  $1\frac{1}{2}$  inches, fly in early July and deposit on the leaves long masses of eggs thickly covered with brown scales. The eggs hatch about the first of August and the young caterpillars at this time skeletonize the leaves and commence the web which is later to form the winter shelter.

It is comparatively easy to destroy the young caterpillars by spraying in late summer with an arsenical poison or making a similar application in the spring at the time the insects begin their operations. Another very practical method is to cut off and burn the winter pests. Our chief aim at present is to prevent the wide-spread establishment of this insect with the imported French stocks noted above. This can be accomplished in the following manner:

#### RECOMMENDATIONS.

All imported nursery stock should be unpacked and carefully examined at destination by a thoroughly competent inspector who should insist upon the most careful observance of certain precautions.

1. All brown-tail moth nests should be carefully removed from the seedlings without breaking, or else the infested plant laid to one side and the plant and all promptly burned.

2. All packing materials, including boxes in which infested seedlings are received, should be burned at once. This also includes any material with which packing from infested boxes may have been placed.

3. Stock not actually infested but in boxes with infested stock, must be thoroughly fumigated with hydrocyanic acid gas or dipped in a standard miscible oil diluted with about 20 parts of water.

Recent experiments conducted by us have shown it to be unsafe to depend upon the ordinary fumigation with hydrocyanic acid gas, even when continued for one hour. A thorough fumigation with 98% cyanide of potassium, using 1 oz. to 100 cubic feet of space and continuing it three hours or more, is the minimum that can be advised. It would be better to prolong the fumigation to four or five hours, or to use  $\frac{1}{2}$  the amount of cyanide and fumigate at least six hours. Even this treatment is insufficient to destroy the caterpillars within the nests and can be relied upon only to kill the crawling caterpillars which might be overlooked on nursery stock. The tenacity of life exhibited by these hibernating caterpillars is remarkable and

cannot be too strongly emphasized. The nests are more or less open and there is danger of the caterpillars crawling out, if the nests are left for a day or two exposed to ordinary room temperatures. Consequently, too great care cannot be exercised in treating stock so that nothing of the kind can survive. The packing materials have so little value compared with the importance of preventing this pest becoming established at points remote from those known to be infested, that we have no hesitancy in advocating their immediate destruction by fire.

It is perhaps unnecessary to add that it is by all means advisable for parties receiving such stock to keep a close watch for the possible appearance of a few caterpillars in the spring. It would be much easier to destroy stray individuals than to control a bad infestation later.



Nests of Brown-tail Moths.

#### THE BROWN-TAIL MOTH SITUATION IN NEW YORK.

BY GEO. G. ATWOOD, CHIEF, BUREAU OF INSPECTION.

This insect is unknown in this country except in portions of the New England States where it has spread in less than twenty years from near Boston, Massachusetts.

It is supposed to have been introduced from Europe on importations of nursery stock previous to, or about 1890 and as the insect is quite common to nearly the whole of Europe and as the first center of infestation was traced to the grounds of an importer it is reasonable to believe that nursery stock importation was the medium of introduction.

From eastern Massachusetts the spread of the insect towards the west and south has been comparatively slow but the spread to the north and east has been in the direc-



tion of the prevailing winds and has been rapid and wide to a long distance up the Maine coast and into New Brunswick. This insect is an unwelcome visitor as it multiplies very rapidly and is a general feeder particularly on apple, pear, plum and other fruit trees as well as upon many shade trees, shrubs and roses.

For the ten years that the nursery inspection laws of New York State have been in force no nests of brown-tail moths have been found until this winter. None of the Inspectors of other states outside of New England have ever found any infestations of brown-tails. Interviews with practical nurserymen and their workmen are convincing that they never saw nests of this insect in importa-



Caterpillars of Brown-tail moth.

tions of stocks from abroad in the last twenty or thirty years. We may assume therefore, that the conditions found this winter are without precedent and that there must have been a very large outbreak of brown-tail moths in Europe in sections from which the present importations are coming.

#### THE DISCOVERY.

On the first of January, Commissioner Pearson received a telegram from Prof. Slingerland stating that he had identified some live brown-tail moths in a nest that had been sent him. On receipt of this information the inspection force of the Department was set to work to make a special examination of imported stock. Nests of brown-tail moths were found in a few boxes. Notice was sent to each nurseryman in the state who was expected to receive foreign stock, to hold their boxes unopened until an inspector could be present.

Information of the fact that infested stocks were coming from abroad was sent to each state having horticultural

inspection laws. Orders were given to the New York State Inspectors to be thorough in inspection of every stock, to burn all nests found and to burn all packing boxes and material and to treat stocks among which nests were found with an approved formula.

#### INFESTATION.

In the first three weeks in January, the Department has inspected about 200 boxes and found about 900 nests. Several hundred more boxes are to arrive and it is expected every one destined for New York State will be found and inspected. The kinds of stock on which nests have been found are viz: apple, pear, cherry, plum, quince, roses, Japan quince, amelanchier and birch.

There is no cause for alarm over the situation if the Department can have the cooperation of all persons interested. The conditions are fully understood by the

Department and an adequate force of inspectors is on hand to attend to the inspection. The nurserymen are lending their aid and it is believed that what might be a serious matter will be averted.

Any nurserymen receiving stock from abroad should at once notify his state inspectors of the



Winter nest of young caterpillars of Brown-tail moths.—reduced one-third.

fact. Any little bunch or cluster composed of dry leaves and silky threads should be carefully examined or sent to the inspectors for identification. No expense should be spared to prevent the establishment of this pest in or near the nurseries. A little care at this time may save an expenditure of large sums in the future.

#### CONFIDENTIAL.

It looks a good deal like a Confidence game. CONFIDENCE RESTORED. Confidence in the powers that have been. Confidence in those to be. Confidence financially, politically, economically and religiously. Confidence in ourselves. Confidence in the United States of America.

Confidentially, we want to do business with you. Whenever in the market for HAMMER PLANISHED SHEETS, give us a chance at your business. You can confidently rely upon good goods and a square deal.

Yours very truly,

WARD-DICKEY STEEL Co.,  
W. C. DICKEY, Sec. and Treas.

"We like the NURSERYMAN and hope to know it better in the future. Our nursery business is better than ever. We are looking forward to the spring business, expecting fully a third more business than usual."

JOHN A. CANNADY,  
Carrollton, Ills.



## Correspondence.

### POPLAR BORER.

A correspondent wishes to know the best way of controlling Poplar borer.

#### ANSWER.

In regard to the control of the poplar and willow borer in the growing of Carolina poplars, there are two methods now practiced by nurserymen. First is the use of a paint made as follows: One tablespoon of Paris green, one-half pint kerosene added to three gallons of water and fresh slaked lime to make a thick paint. This mixture applied to the trunk of the tree at intervals of four weeks, beginning early in the spring, will prevent severe injury.

The second method is that of digging out the grubs with a knife. During the latter part of May, the location of the grub in the bark is marked by a string like exudation of splinters and excrement, that protrudes from an opening in the larval channel. At this time the grub, which is about one-fourth inch in length, works entirely in the bark, where it may be removed without injury to the cambium layer.

The tree outgrows the injury to the bark. As one man can remove the grubs from several hundred trees in a day, this is perhaps the most practical method of control.

W. J. SCHOENE,  
Assistant Entomologist N. Y. Exp. Sta., Geneva.

### A PROBLEM IN CHERRY PROPAGATION.

Editor of National Nurseryman:

I have some Mahalebs and Mazzard Cherry Seedlings put out last spring, and want to ground graft them this winter or bud them next summer. What would be the best and also what varieties are best to put on each kind of stock? I have never grown but few Cherries and then with very indifferent results but as this is a nice lot of Seedlings want them to pan out well.

Thanking you for your information.

BEGINNER.

1. We think the only method to consider in propagating cherry is by summer, or dormant budding them. To insure sap activity the growth of last season should be pruned off closely, and, especially if the stocks are large, it would be necessary to bud earlier than you would ordinarily. During the last few years there has been considerable demand for cherry scions, but we have never regarded either crown grafting or spring budding cherry as practical propositions, therefore, we are unable to speak of these methods from our own experience.

Huntsville, Ala.

FRASER NURSERY COMPANY.

2. Better plant new stocks and plow the old ones up. This is our advice.

HUNTSVILLE WHOLESALE NURSERY.

### COPYRIGHTED NAMES.

In reply to your inquiry on the question of whether copyrighting the name of a fruit absolutely protects the patentee we would quote the sentiment of the American Association of Nurserymen as expressed at its last meeting in Milwaukee. This appeared as one of the questions on the program to be discussed and was presented by Mr. Kirkpatrick of Texas, who made the following statement:

"It appears to me that the little protection that the nurseryman can get from trade marking the name of a fruit should not be denied, and that a law giving him that little protection would not interrupt or betray the interest of anybody. If a nurseryman, or the inventor or discoverer of any new fruit through a long process of years of study or observation should gain a new variety, one very valuable; for instance if Mr. Ross, who discovered the Great Elberta, had been permitted to use the name Elberta for a series of years, he might have been somewhat recompensed for the discovery. It took a great many years in our part of the country to get any atten-

tion to the Elberta whatever, but after six, eight or ten years we began to pay attention. If these finer varieties are trade-marked, they will come into notice more quickly than otherwise. I move, Mr. President, that we go on record as favoring a law giving the protection at least of a trade mark on new fruits. Seconded by Mr. Whiting."

The record of the action of the convention makes it appear that the matter was referred to the Committee on Legislation, while the general sentiment seemed to be in favor of the association working for a law which would recognize the exclusiveness of a trade-marked name.

## Fruit and Plant Notes.

### AVENUE AND SHADE TREES RECOMMENDED BY P. J. BERCKMANS.

Mr. Berckman's judgment in this respect is one that can be implicitly relied upon for he has been studying the question for more than sixty years and his experience covers a wide range of territory.

Among the deciduous trees for avenues, he recommends the Maiden Hair tree, Lombardy Poplar, Sweet Gum, Soft Maple, Norway Maple and Cucumber Tree.

Among those with spreading and umbrella shaped tops, Mr. Berckmans draws special attention to the Hackberry, the American White Ash and the Koeleuteria or Chinese Golden Rain tree. For Southern states desiring trees of the same general form, Mr. Berckmans recommends the Melia and its more umbelliferous form, the Umbrella Tree of Texas. This is one of the most characteristic trees of Texas lawns at the present time. Its dense umbrella shaped top is striking and peculiar. The Japanese Empress tree is also recommended by Mr. Berckmans.

#### EVERGREENS.

Among the broad-leaved Evergreens, Mr. Berckmans specially recommends Spanish Oak and White Oak, but more particularly the Live Oak. The first two are only semi-evergreen, losing their foliage about mid-winter. These Oaks of course, are not hardy in the North. Their Northern range is reached at Washington or before. The full text from which the above notes are extracted will be found in the Garden Magazine for October.

#### HERBERT RASPBERRY.

This Canadian variety continues to make a good record. It is rather remarkable that in recent years so few varieties either of black cap or red raspberries, have appeared. We are personally acquainted with the originator and the early history of this variety and concur in the commendatory remarks which those who have tested it, make. At the Experimental Farm at Ottawa, it was the most productive of ten leading commercial varieties. At the State Experiment Station, Geneva, N. Y., it also receives favorable comment.

The plant is healthy, fruit bright red, somewhat oblong in form and of large size. The flavor is sweet and juicy and as has already been stated, the plant is very productive. The Ottawa Nurseries, 253 Bell Street, Ottawa, Canada, are head-quarters for this variety.

### THE LOGAN BERRY IN ENGLAND.

During our visit in England last summer we were very much interested in finding that the Logan berry was one of the most popular of the recently introduced fruits. Nurserymen in Surrey informed us that they were almost unable to meet the demand for plants of this hybrid berry. It seems to have found its natural and required conditions in the cool and relatively humid atmosphere of England.

Another interesting thing is that the fruit is appreciated. The following note in the Journal of Horticulture describes the way in which the plant is cultivated:



"In a sunny position of a garden where a screen is needed an excellent one may be quickly formed by erecting a rough fence or trellis, seven feet or eight feet in height and planting Loganberries four feet apart. It is decidedly an advantage to have plenty of space for the plants to ramble over, as they are rampant growers and where only a low fence is required more room ought to be given so that the long shoots may be trained laterally. Arches and arbours might also be covered with Logan berries where the useful is preferred to the purely ornamental. Failing the above conveniences, good results may be obtained by training the plants to Larch poles standing seven feet or eight feet out of ground; care should, however, be taken to keep the shoots thinly disposed, or in wet seasons the fruit does not ripen well. The present is an excellent time for those who have not yet grown Loganberries to add to the interest of their garden by planting some."—*Ed.*

#### PERSONAL AND GENERAL.

Charlton & Sons, of Rochester, N. Y., are introducing a variety of Anchusa, a hardy perennial which has been tested over a wide range of country and appears to be greatly appreciated by those who have tried it. The variety is called Dropmore, is blue in color, very floriferous, hardy and healthy. The blooming period is lengthy.

#### MR. WELCH BETTER.

We learn that Mr. Edward Welch, of the Shenandoah Nurseries, has recently undergone an operation for appendicitis. His condition following the operation was exceedingly serious for several days, but according to latest reports he is convalescent and expects to be on his feet before long.

#### ALFALFA.

The following Ode to Alfalfa introduces Bulletin No. 155 of the Kansas Experiment Station.

"Alfalfa is the imperial forage crop of Kansas. While other field crops surpass in acreage and total yield, in net returns per acre alfalfa is clearly in the lead.

The empire over which alfalfa rules, while not as large as that of corn or wheat, is yet the most remarkable because of the quality and riches that follow in its wake wherever this monarch goes. The time is not far distant when alfalfa will occupy every available acre in every congenial area in the state; when the demand for the crop and for its products for seed and hay at home and for meal abroad will be even greater than the supply."

#### BOOK REVIEW.

"HANDBOOK OF THE TREES OF THE NORTHERN STATES AND CANADA." Romeyn B. Hough. 9¾x7". 470 pages, illustrated. Published by the author.

This book published in 1907, by the author of "American Woods," is a highly interesting and important contribution to our knowledge of the numerous trees found in the forests of the northern United States and Canada, east of the Rocky Mountains. It is valuable as a reference book alike to the lumberman, the forester, and the botanist. Mr. Hough has made a careful study of the characteristics and habitat of all forest trees as far south as North Carolina and Missouri, and with the aid of the camera has presented to the public the results of his work. The trees are considered in two classes gymnospermæ and angiospermæ. Two pages are devoted to illustrations and description of each species. On one page is shown a photograph of leaves, fruit and twigs, with a background marked into squares of one inch, thus enabling one to determine with accuracy the size of each. On the opposite page will be found a view of the trunk of the tree, with a measure indicating its size, a map showing the area over which the species is distributed, and in some cases a transverse section of the wood. This page also contains an exact botanical description, and a half column or more giving dimensions, appearance, soil required and uses to which the wood may be put. We are pleased to recommend this work to nurserymen especially to those who are interested in forestry matters in general or in the narrower field of silviculture only. The book may be obtained through this office at the author's price of \$3.00.

## Obituary

#### CARL SELMON.

Deceased, who was for 25 years employed at the Glenwood Nurseries, Morrisville, Pa., was found dead at his boarding house on the second of January, death resulting from apoplexy. The deceased was a native of Germany, and upon his arrival in America at once entered the employ of Wm. H. Moon where he had been continuously with the exception of a few months. He possessed a rare knowledge of ornamental trees and plants making him invaluable in his position as propagator. Interment was at Morrisville Cemetery on Monday, the 4th inst.

C. Falkner, Waco, Texas, a noted horticulturist and citizen, died on January 12.

#### NURSERY BUSINESS OF LOUISIANA, 1908.

The State Crop Pest Commission of Louisiana has, as usual, gathered statistics on the amount of nursery stock grown in that State, these figures being gathered during the regular inspection of the nurseries by the Department during the summer and autumn.

The number of nurseries receiving certificates for 1908 is given by the Commission as 78 against 55 in 1907 and 50 in 1906. The amount of San Jose scale infested stock is found by the Commission to be diminishing in the nurseries, and it was necessary the present season to refuse certificates in only seven cases.

The greatest increase in amount of nursery stock grown by the Louisiana nurserymen is in pecans, practically 100% more of these being provided for the market this year than last. The various kinds of stock grown are shown in the following list:

Strawberry plants.....	1,488,500
Peach .....	219,408
Pecan .....	128,450
Apple .....	112,275
Field-grown rosebushes* .....	111,975
Grape-vines .....	71,525
Fig .....	71,040
Forest and Shade Trees† .....	56,820
Privet .....	53,060
Pear .....	49,776
Cape Jasmine.....	41,575
Plum.....	33,800
Orange, Lemon, etc .....	21,390
Magnolia .....	10,932
Citrus trifoliata\$ .....	4,225
Arbor Vitæ.....	2,840
Ficus‡ .....	2,535
Camellias ‡.....	2,162
Miscellaneous ‡ .....	32,685
Total.....	2,520,973

\*Includes only field-grown rosebushes for sale as such, and does not include roses grown in greenhouses or by florists.

†Does not include catalpas propagated on catalpa plantations.

\$Does not include *trifoliata* stocks held by nurserymen for budding.

‡Does not include plants of these sorts grown in greenhouses and by florists.

#### NEW YEAR'S GREETING FROM OLD VINCENNES.

National Nurseryman,  
Rochester, N. Y.

Gentlemen:

We have just closed the largest year's business we have ever had. Prices have been very satisfactory, and trade for spring promises to be very good. We booked one order last week for 50,000 one year Cherry to be planted in one orchard in Colorado.

Most lines of stock will be very scarce for Spring. We still have fair assortment of one year Cherry to offer and a few thousand Sweet Cherry, two year.

Wishing you a happy New Year,

Respectfully yours,

W. C. REED.



## OHIO NURSERYMEN'S ASSOCIATIONS.

The Ohio Nurserymen's Association held its second annual meeting at Northern Hotel, Columbus, O., on the afternoon and evening of Jan. 13th. There was a good attendance of the nurserymen of the state, Lake county being especially well represented. Several members of the state inspection force met with the nurserymen and matters of inspection, fumigation, etc., were generally discussed. We also had a very able paper on cherry culture by A. R. Pickett of Clyde, O.

Resolution was passed asking the Ohio State Board of Agriculture for a larger appropriation for the Division of Nursery and Orchard Inspection, as the nurseries in Ohio have increased from 241 nurseries inspected in 1902 to 691 inspected in 1908.

Resolution was also passed endorsing the change in the tariff law as presented to the ways and means committee by the tariff committee of the American Association of Nurserymen; and urging all members to use their influence with their congressmen to secure its passage.

In the evening supper was served to the members of the association in the private dining room at the hotel and was a very enjoyable feature of the evening. Everyone expressed themselves as heartily in favor of the yearly meeting and adjourned, determined to make the next meeting better in every way than the one preceeding.

The following officers were elected: President, J. W. McNary, Dayton, O.; vice-president, A. R. Pickett, Clyde, O.; secretary, W. B. Cole, Painesville, O.; treasurer, W. N. Scarff, New Carlisle, O.

## MEETING OF THE AMERICAN ASSOCIATION OF HORTICULTURAL INSPECTORS.

BY SECRETARY SYMONS OF MARYLAND.

The seventh annual meeting of the American Association of Horticultural Inspectors convened at the Rennert Hotel, Baltimore, December 29th at 8:00 P. M. The following members of the Association were present:

President H. E. Summers, Ames, Iowa.  
 Secretary-Treasurer, Thomas B. Symons, College Park, Md.  
 A. P. Burgess, Washington, D. C.  
 S. C. Clapp, North Carolina.  
 G. M. Bentley, Tennessee.  
 P. H. Hertzog, Pennsylvania.  
 A. F. Satterthwait, Pennsylvania.  
 R. W. Braucher, Washington, D. C.  
 Leonard L. Scott, Ohio.  
 James F. Zimmer, Ohio.  
 W. A. Thomas, South Carolina.  
 E. O. G. Kelly, Washington, D. C.  
 E. G. Titus, Utah.  
 R. L. Webster, Ames, Iowa.  
 E. P. Taylor, Missouri.  
 E. D. Sanderson, New Hampshire.  
 F. L. Washburn, Minnesota.  
 R. I. Smith, North Carolina.  
 J. B. S. Norton, Maryland.  
 H. Garman, Kentucky.  
 J. B. Smith, New Jersey.  
 J. L. Phillips, Virginia.  
 H. E. Summers, Iowa.  
 T. B. Symons, Maryland.  
 A. E. Stene, Rhode Island.  
 E. F. Hitchings, Maine.  
 L. M. Peairs, Maryland.  
 W. E. Hinds, Alabama.  
 Paul Hayhurst, Massachusetts.  
 Fred E. Brooks, West Virginia.  
 W. E. Rumsey, West Virginia.  
 W. M. Scott, Washington, D. C.  
 J. H. Gourley, Ohio.  
 W. A. Hooker, Washington, D. C.  
 E. W. Morse, Washington, D. C.  
 R. A. Vickery, Washington, D. C.  
 E. C. Cotton, Tennessee.  
 N. E. Shaw, Ohio.  
 W. E. Britton, Connecticut.  
 Aven Nelson, Wyoming.  
 C. W. Hooker, Massachusetts.  
 H. T. Fernald, Massachusetts.  
 E. P. Felt, New York.  
 Herbert Osborn, Ohio.  
 Lawrence Bruner, Nebraska.  
 Franklin Sherman, Jr., North Carolina.

## FIRST SESSION.

The meeting was called to order by President Summers. The report of the member of the joint committee on National Law for the control of introduced insect pests, Dr. S. A. Forbes of Urbana, Illinois was then called for and presented by Secretary Symons who attended the annual meeting of nurserymen to make a report to the Association. Mr. Symons reported that no definite action was taken by the National Nurserymen's Association at their last annual meeting and a resolution looking toward this end offered to the Association was referred to the Legislative Committee.

The regular program was then taken up, the first question for discussion being "How can a National Importation Inspection Law be secured?" Several members including Messrs. Sanderson, Smith, Symons, Burgess, Norton, Titus, Phillips, Bruner and Hitchings took part in the discussion of this subject. All of the remarks showed the great importance and need of such a National Law to prevent the introduction of injurious pests from foreign countries. The final disposition of the question was the appointment of a committee of three to take charge of such Legislation during the ensuing year.

The second question on the program, "Is it desirable for this Association to draft a Uniform Law for adoption by the several States?" was then taken up. After some discussion a motion was made and carried that the question be laid on the table.

## CERTIFICATION OF NURSERY STOCK.

The third question, "Is it desirable to change the present method of certification of stock sold by a nurseryman which was not grown in his State?" was then discussed by Messrs. Worsham, Sanderson, Hitchings, Fernald, Smith, Symons, Titus, Washburn, and Summers, each member citing particular cases of the certification of stock not growing in his State. The following resolution was offered by Dr. Smith and adopted "That a Committee of five members to formulate a system by means of which the individual members of the Association may notify the other members of the Association of such facts concerning special nurserymen as it may seem desirable for the inspectors of other States to know." Further remarks showing the benefit of the tag system in covering this subject were made by other members.

Question four, "What conditions should govern the issuance of a certificate to nurserymen in whose nursery stock San Jose scale has been found?" was discussed by Messrs. Symons, Fernald, Sanderson, Norton and Nelson, but no definite action was taken.

The fifth question, "What is the present opinion regarding the dipping of nursery stock in a contact insecticide as compared with fumigation with hydrocyanic acid gas?" having been discussed in the Association of Economic Entomologists there was very little discussion at this meeting, save the adoption of the following resolution: "That it is the sense of this body that the present method of fumigation with hydrocyanic acid gas is the most practical method of treating nursery stock where there is danger of infestation of San Jose scale."

## SECOND SESSION.

The meeting was called to order by President Summers who announced the personnel of the Committees, namely: Messrs. Symons, Worsham and Sanderson on Legislation and Messrs. Smith, Washburn, Nelson, Fernald and Sherman to devise plan of certification of nursery stock.

The first question in the morning session "What conditions should govern the certification of strawberry plants from nurseries in which the strawberry root louse is known to be present?" was discussed by Messrs. Washburn, Phillips, Symons, Summers and Sanderson. Most of the remarks showed the distribution of this pest throughout the country. The following resolution was then adopted: "That it was the sense of this Association that where the strawberry root louse occurs in a nursery patch, if the attack be severe, the patch should be destroyed, but if only slight infestations the nurserymen be required to burn off the patch and dip the plants in tobacco water before shipping."



## PEACH YELLOWS.

Question seven of the program, "Peach Yellows" was then taken up for discussion. Messrs. Norton, Britton, Sherman, Sanderson, Phillips, Summers, Shaw and Symons took part in the discussion. The remarks of Prof. Norton to the effect that in the examination of the spread of yellows in Maryland during the last twenty years had not extended southward more than ten miles was rather surprising to the members of the Association and was born out by the experience of other members as regards the distribution of this disease in their States. This would seem to indicate that there is a climatic zone which will mark the distribution of the disease. Prof. Phillips discussed some experiments that he had conducted in taking buds from affected trees which tend to show that the yellows did not appear on the trees until after they were a year old, and also showed that pits from affected trees would produce yellows although most of such pits did not germinate. The following resolution offered by Mr. Symons was adopted by this Association: "That this Association recommend that the nurserymen as far as possible cut scions from bearing healthy trees and urge the proper fumigation of all propagated nursery stock used in the nursery with hydracyanic acid gas.

The discussion of "Crown Gall" was then taken up, Messrs. Washburn, Norton, Sherman, Rumsey, Summers, Smith, Brooks, Hertzog, Hitchings, Cooley, and Nelson taking part. The question was disposed of by the following resolution being adopted: "In view of the proven facts, that this is a bacterial disease, communicated from raspberry plant to another, that the practise on the part of nurserymen storing raspberry plants visibly affected with Crown Gall with unaffected plants is extremely dangerous and should be discontinued in the interests of fruit growing."

This concluded the program of the meeting. The election of officers for the ensuing year resulted in the election of F. L. Washburn as president and Thomas B. Symons, secretary-treasurer.

## PERSONAL MENTION.

Mr. W. J. Ruys representative for B. Ruys, The Royal Moerheim Nurs., Dedemsvaart, Holland, started for America the middle week of January.

Mr. G. A. Harrison of the firm of J. G. Harrison & Son, Berlin, Md. called on Nurserymen in Western New York,—he also called at the business office of the NATIONAL NURSERYMAN.

Mr. C. R. Burr, of C. R. Burr & Co., Manchester, Conn., visited Rochester and the nurserymen in Western New York the latter part of January. The office of the NATIONAL NURSERYMAN also received a visit from him.

Mr. W. F. Ilgenfritz of I. E. Ilgenfritz & Sons, Monroe, Mich. called on all the nurserymen in the Western part of the Empire State the last few weeks of January. Rochester was specially favored with his presence.

Mr. D. M. Morris of Brown's Nurseries, Ontario, Canada was in Rochester the second week of the new year. He called on all the leading nurserymen in and around Rochester. The NATIONAL NURSERYMAN staff also had the pleasure of seeing him.

Mr. W. C. Dawe, Winona, representative for Mr. E. D. Smith has lately closed up a large deal with a prominent fruit grower in the Grimsby district which involves twenty-one thousand grape vines and other stock sufficient to plant fifty acres. The order amounted to \$1308. This means that an entire farm which is now being broken up will be planted exclusively with Mr. Smith's trees and vines and judging from the crops resulting from the Helderleigh grown trees, we predict profitable returns from this transaction, if the stock is well attended to, as we have no hesitation in believing it will be.

This is probably one of the largest retail orders that has been handled exclusively by one firm in this peninsula for many years.

—The Weekly Fruit Grower.

J. H. Dayton and W. R. George of the Storrs Harrison Company, visited Rochester nurserymen the latter part of the month.

Papa Josselyn was on hand at the meeting of the Eastern Nurserymen's Association. Papa continues in good health, assisted no doubt by his abundant supply of good humor.

## WESTERN NEW YORK HORTICULTURAL SOCIETY.

The attendance at this great fruit gathering was greater than ever before. Convention Hall, in Rochester, was packed to the doors. President Barry presided, relieved at times by Vice-President, Albert Wood, of Carlton Station, N. Y. The meeting was full of interest. It was attended by a large number of nurserymen who also attended the annual meeting of the Eastern Nurserymen's Association.

The Western New York Fruit Growers endorsed the bill asking for certified insecticides and fungicides, took action in regard to establishing a publicity bureau and recognized the originator of the Niagara grape by unanimously awarding him a gold medal in commemoration of this worthy deed.

## ALABAMA STATE HORTICULTURAL SOCIETY.

The fifth annual meeting of the Alabama State Horticultural Society will be held in Mobile, January 26th and 27th.

All persons interested in fruit growing, trucking, etc., are cordially invited to attend.

G. F. HEIKES, President,  
R. S. MACKINTOSH, Secretary.

## BROWN-TAIL MOTH.

All nurserymen are deeply interested in the problem of securing the absolute destruction of every nest of brown-tail moth brought in on foreign stock. New York nurserymen have taken such prompt and thorough measures with the cooperation of the State Department of Agriculture that there is little doubt of the complete destruction of all nests brought in on fruit or ornamental stock. It is hoped that equally good care will be exercised by nurserymen in general.

## NURSERYMEN VISITING ROCHESTER DURING JANUARY.

Robert George, J. H. Dayton, of Painesville; Geo. S. Josselyn, Fredonia, N. Y.; W. H. Hartman; Kelly Bros., Dansville, N. Y.; W. F. Ilgenfritz, Monroe Mich.; Mr. Henry, O. G. Chase, S. D. Willard and W. L. McKay, Geneva, N. Y., and W. F. Rupert of Seneca.

"In all places and in all seasons flowers expand their light and soul light wings."—Longfellow.

"Nature's charms, the hills and woods, the sweeping vales and foaming floods, are free alike to all."

Success depends on how hard you try.

"All things come to him who waits," but they'll come a lot quicker if you get up and hustle for them.

"Blow wind and waft thro' all the rooms, the snow flakes of the cherry blooms."—Longfellow.

"Azaleas flush the island floors, and the tints of heaven reply."—Emerson.

"A thing of beauty is a joy forever, such the sun, the moon, tree, old and young, sprouting a shady boon."—Keats.

"Sweet is all the land about and all the flowers that blow."—Tennyson.

"A million emeralds break from the ruby budded lime."—Tennyson.

"Our life exempt from public haunt finds tongues in trees,"—Shakespeare.

"Thou Nature, art my Goddess; to thy law my services are bound."



## WINTER INSTITUTE OF THE MISSOURI STATE BOARD OF HORTICULTURE.

The Missouri State Board of Horticulture met in annual Winter Session at Columbia, January 5-8, 1909. The State Board was created by an act of the Legislature in 1907 to take the place of the Missouri Horticultural Society which under the law could no longer continue to receive appropriations unless differently organized. This was done and the Missouri State Board of Horticulture is continuing the good work which characterized the work of the State Horticultural Society for fifty years.

The Winter Institute was held this year as one of the conventions during Farmers' Week at Columbia at which fourteen state organizations were represented. Under this plan more farmers got to hear horticultural programs than would have been possible under different arrangements. It is estimated that five times as many persons heard the programs as ever before. Also the horticulturists were enabled to hear talks on other subjects of interest besides that of horticulture.

Especially care was taken to emphasize the need for better methods of packing, marketing and general orchard management. To impress this point upon the visitors some delegates were sent to some highly developed fruit regions to study prevailing conditions. The reports of these delegates were read and discussed at the meetings. In connection with this there was one special talk on the grading and packing of fruit by a man who has had long experience in handling the highest grade of apples on the market. Boxes of fruit were shown at the meeting with individual apples wrapped in tissue paper. Other topics discussed were hardiness of fruits, grape growing, strawberry growing, home canning, orchard pruning, and diseases and insects affecting the orchard crops.

At a business session during the course of the meeting the Board of Horticulture discussed plans for the inspection of orchards and nurseries in the state. The Board was of the opinion that the inspector who is to be a competent entomologist, should be appointed to take up the work of searching out the spots affected with San Jose scale or other dangerous pests and compel the owner to immediately take steps to eradicate them. It is believed the inspector should have power to enforce the inspection work and that he should give his entire time to the duties of inspection and be responsible to some central authority like the Board of Horticulture. To be effective it was believed that this work should be analogous to the veterinary inspection service which is now so effectively managed throughout the state by the Board of Agriculture, and a bill to this effect was prepared to be sent to the Legislature.

It was decided by the Board to publish several of the leading topics discussed at the Institute in pamphlet form in order to give the information the widest possible distribution. These pamphlets as well as the annual report containing all articles may be had upon application to the Secretary of the State Board of Horticulture, Columbia, Mo., free of charge.

National Nurseryman,  
Rochester, N. Y.

Gentlemen:

An interesting condition exists here in Connecticut at the present time as the ground is free enough from frost so that we are plowing today. There has up to the present writing been very little frost in the ground this winter, as well as very little snow.

Very truly yours,  
THE ELM CITY NURSERY CO.  
Ernest F. Coe.

The National Nurseryman Co.,  
Rochester, N. Y.

In 1905 I had the pleasure of receiving a copy as Christmas gift which procured me the advantage of seeing advertisements which induced me to purchase 500 apple trees. Most of the varieties have done remarkably well in our northern experimental Stations, where only robust trees can stand our severe climate. Even 360 miles northeast of Quebec City trees from Bloomington Phoenix Nurseries, Illinois and Charles City, Iowa, have done well.

AUG. DUPUIS

Village des Aulnaies, Quebec, Can.

## NATIONAL ASSOCIATION OF NURSERYMEN.

This organization met in Rochester, on January 27th, and transacted routine business. President Wm. Pitkin, Secretary F. E. Grover, both of Rochester, N. Y. The same officers were re-elected.

### CATALOGUES RECEIVED.

Groenewegen & Son, Royal Nursery, DeBelt, Holland. Wholesale list of nursery stock, No. 148, neat and attractive looking.

R. Vincent Jr. & Sons Co., White Marsh, Md. Geranium catalogue, profusely illustrated, neat appearing cover with geranium leaf embossed.

Vine Grove Nursery Co., Minneapolis, Minn.

Pecan Grove Farm Nursery & Orchard Co., Cairo, Ga. Price list of budded and grafted pecan trees.

Lewis Roesch & Son, Fredonia, N. Y. Forty-ninth Semi-Annual price list of grape vines, fruit trees, small fruits, etc.

E. T. Dickinson, Chatenay, France. Catalogue of French Nursery Stocks.

Francher Creek Nurseries, Fresno, California.—Quarter century edition of catalogue and price list of Fruit and Ornamental Trees. Evergreens, Palms, Roses, Etc.

We are in receipt of a pretty little calendar for the year 1909, entitled "The Helpmate," compliments of The Benj. Chase Co., manufacturers of wood labels and plant stakes. Derry Village, N.H.

John Lewis Childs, Floral Park, N. Y. Trade price list of choice Gladioli and various bulbs and plants.—Collection of Gladioli the largest and finest in existence.

D. V. Burrell, Rocky Ford, Seed House, Rocky Ford, Colo. A very neat illustrated catalogue of seeds carefully selected.

Huntsville Wholesale Nurseries, Huntsville, Ala.—price list of peaches.

Griesa Nurseries, T. E. Griesa, Lawrence, Kans. Spring 1909 trade list.

B. W. Stone & Co., Thomasville, Ga. "How to grow a paper-shell pecan grove."

Sears, Henry & Co., Seneca Nurseries, Geneva, N. Y. Surplus list for spring 1909.

W. N. Scarff, New Carlisle, Ohio. Semi annual surplus list of choice new and standard bush fruits.

The Fruit Grower Co., St. Joseph, Mo. Reprint—"Planting about the farmbuildings and their surroundings."

Daniel A. Clarke, Red Oak Nurseries, Fiskeville, R. I. A neat little catalogue of hardy flowers, nicely illustrated.

Stump & Walter Co., Barclay St. N. Y. Wholesale catalogue for spring 1909, of flowers, vegetable, grass seeds. A large pink aster "Mary Semple" graces the cover. Illustrated throughout.

George E. Dickinson, 1 Broadway, New York City, has issued an unusually attractive and artistic calendar. It is a floral design in which white and gold are used with an excellent effect and is entitled "The Flowers of the year."

P. D. Berry of Ohio says: "I am nearly sold out on nursery stock now (Jan. 25th) and have not mailed out my list for spring."

John Palmer & Son Ltd. Annan Nurseries, Dumfriesshire, Scotland. Special trade list of nursery stock.

Peter Schott of Knittlesheim, Germany, has issued his new price list of forest plants and forest seeds. He wishes to assure all nurserymen that orders which are placed with him are dealt with all possible care and promptitude.

Henry A. Dreer, Inc., Philadelphia Pa., 71 Annual Garden Book. A new kind of catalogue incorporating cultural notes.

Henry A. Dreer, Philadelphia, Pa. Wholesale price list of Seeds, plants and Bulbs for Florists—winter edition.

Chase Bros. Co., New England Nurs., Rochester, N. Y.—Bulletin No. 1. Wholesale price list for spring, 1909.



C. F. Lansing of Oregon, says: "Don't want to do without THE NATIONAL NURSERYMAN."

Henderson's catalogue of wheats, grasses, etc., for fall, 1908, sowing. Peter Henderson & Co., Cortlandt Street, N. Y.

Wholesale price list of high grade imported and American grown bulbs and florists' flower seeds. Stump & Watter Co., 50 Barclay Street, N. Y.

Wholesale price list from J. G. Harrison & Sons, Berlid.

Henderson's Autumn Catalogue, 1908, from Peter Henderson & Co., Cortlandt Street, New York.

Wholesale Trade List, Autumn, 1908. Bay State Nurseries, Windsor H. Wyman, North Abington, Mass.

Wholesale Trade catalogue from P. J. Berekman's Company, Inc., Augusta, Ga.

Price list of General Nursery stock from Ferins, Lenault, Hue & Cie, Ussy, France.

McGregor's Bulbs & Plants for Autumn, 1908. The McGregor Bros. Co., Springfield, Ohio.

From Philadelphia, Penn., Henry A. Dreer's, 1908 Wholesale price list, fall edition of Bulbs, Plants, Seeds, Fertilizers, Tools, etc.

Fall, 1908, Wholesale catalogue and price list of American grape vines and small fruits, etc., from Geo. S. Josslyn, Fredonia, N. Y.

Elm City Nursery Co., New Haven, Conn. Special Summer and Autumn Planting list.

F. E. Schefferli, successors to Wheelock & Clark, Fredonia, N. Y. Wholesale Price list of Grape Vines and Currant Plants.

Wholesale price list of Bulbs, Roots, etc., offered by Viek & Hill Co., Rochester, N. Y.

Wholesale Trade list for fall, 1908, from Jackson & Perkins Co., Newark, N. Y.

## Cherry Trees Number One

Healthy New York Grown  
SPECIAL LOW PRICE

### Concord Grapes, 1 and 2 Yr.

Strong, well rooted vines,  
Will meet competition.

### Imported Fruit Tree Stocks

MAHALEB, MAZZARD, MYROBOLAN AND PEAR.  
All grades, now ready to ship.

### Complete General Stock

Nearly all in storage.



ASK FOR WHOLESALE PRICE LIST

## The Shenandoah Nurseries

D. S. LAKE, Prop. SHENANDOAH, IOWA.

## Try Highland Strawberry Plants

We have a large stock at prices that will surprise you. They are fine. We give a year's subscription to a good magazine with each order amounting to \$1. Send for free catalogue of standard and new varieties of STRAWBERRIES.

LAKE VIEW NURSERY, Box 34.

Poy Sippi, Wis.

### FOR SALE---ELBERTA

4,000 1-2 to 9-16. 3,000 5-16 to 1-2

Very fine. Samples if desired.

A. HAMILTON & SONS, Bangor, Mich.

## KANSAS CITY NURSERIES

GEO. H. JOHNSTON, Prop.  
SUCCESSOR TO BLAIR & KAUFMAN

233-234 Rialto Building, - - - Kansas City, Mo.

Offer for Fall 1908 and Spring 1909 large stock of Carolina Poplars all sizes; Concord Grapes; Currants; Asparagus and a full line of Ornamental Shrubs, Peonies, &c.

Several thousand fine grade of

## Berberis Thunbergii Seedlings

Also Red Oak and Sour Cherry.

Prices on application.

Oak Hill Nurseries, Roslindale, Mass.

**For Sale.** One of the best Nursery, Seed and Greenhouse business propositions on the Pacific coast. Rapidly increasing trade. Satisfactory reasons for offering for sale. No use corresponding unless you have \$10,000 or \$15,000 to invest as a starter.

"A. B.," care of NATIONAL NURSERYMAN.

## WANTED--March 15

An experienced energetic gardener, thoroughly acquainted with hardy stock, garden making, grading, trimming, etc. Permanent position to right party. State references and salary.

THE ELM CITY NURSERY CO.

New Haven, Conn.

## The New England Nurseries, Inc.

BEDFORD, MASS.

HIGH GRADE FRUIT AND ORNAMENTAL  
TREES, SHRUBS, ROSES AND  
HERBACEOUS PERENNIALS

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade-list on application.



## Surplus Stock, Spring 1909

50,000 PEACH TREES, 1 yr. from bud.

10,000 APPLE, 1 yr. from bud.

100,000,000 STRAWBERRY PLANTS in six leading sorts.

MYER No. 1, AROMA, STEVEN'S CHAMPION.

Superior.

Gandy.

A general assortment of other stock.

D. S. MYER & SON,

Bridgeville, Del.

## NORTH CAROLINA NATURAL



## Peach Pits

Gathered in the mountains of North Carolina where the  
Yellows are unknown. Write for prices.

JOHN A. YOUNG

Greensboro, N. C.

## For Nurserymen's Specialties

Speer Grafting Machine, Tree Diggers, Spades, Cultivators  
Fruit Grower's Specialties, etc.

E. G. MENDENHALL,

Box 316, Kinmundy, Ill.

## Hardy Blizzard Belt Nursery Stock

Evergreen Seedlings, etc.

Grown by

The Gardner Nursery Co.

Osage, Iowa

## The Buying of Trees is a Matter of Confidence



IT IS impossible for even an expert to tell from an examination of the bark and leaves of a tree whether the fruit will be good or worthless. While of importance to private planters, it is of far greater consequence to the nurseryman who buys trees in quantities for distribution among his customers to know they are reliable in every way. For 26 years the Glen Saint Mary Nurseries have been perfecting their facilities for the production of absolutely dependable stock and the nurserymen who have been supplied from this source, as well as direct customers, have come to know that here they can secure

## "Trees True to Name"

Large test orchards are maintained at Glen Saint Mary Nurseries for the fruiting and proving of different varieties. These orchards enable us to point to the parent trees from which our young nursery stock is grown as evidence that we know exactly what the latter may be expected to do when they come to fruit. Further evidence of the superiority of our product is found in bearing orchards throughout the South, planted years ago with Glen Saint Mary trees. We are now growing better trees and plants than ever before.

New Catalogue or Wholesale Price List on application.

The Glen Saint Mary Nurseries Company,

GLEN SAINT MARY, FLORIDA

G. L. Taber, Pres. & Treas.

H. Harold Hume, Vice-Pres. & Sec.

## A SILVER COIN

Is of little value unless backed by the Government. Our SILVER COIN STRAWBERRY is backed by a reputation that few attain in strawberry growing.

Write us for particulars. J. T. LOVETT, Little Silver, N. J.

## LEWIS ROESCH & SON

FREDONIA, N. Y.

Grape Vine Specialists and General Nurserymen

Send us your List of Wants and quote your surplus

## LABELS FOR NURSERYMEN

THE BENJAMIN CHASE CO., Derry Village, N. H.

### WANTED.

AN EXPERIENCED PROPAGATOR. A young man with ambition to advance and wishing a permanent place, preferred. State what experience you have had also what wages required and give your references with first letter.

DEVILS LAKE NURSERY, Devils Lake No. Dak.

### For Sale or Exchange.

2,000 undivided, field grown, Double, Mixed Dahlia Clumps. Not a poor one in the lot. Just what you want for counter trade or agency sales. Cheap for cash or will exchange for roses, shrubs and hardy herbaceous plants.

D. W. BABCOCK,

Box 222, BERLIN, MD.

WANTED.—By one of the oldest and most reliable concerns in Western New York, a man capable of handling any or all departments of a retail business.

Address POSITION,  
Care of this paper.



# ORNAMENTAL STOCKS

NURSERIES  
420 ACRES

## WE GROW

FRUIT TREE STOCKS—All Sizes.  
300 varieties of Conifers, 1 to 4 years old.  
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.  
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.  
250 varieties of Climbing Plants.  
400 varieties of Conifers, 1 to 4 feet high.  
400 varieties of Perennials.  
800 varieties of New and Old Roses.

We Have No Agents.  
Write direct to us and  
ask for **WHOLESALE  
CATALOGUES**

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

**BARBIER and CO., Successors,**

Orleans, France

The Commercial Nursery Co.  
of WINCHESTER, TENN.

Offers a General Line of Nursery Stock  
Specially heavy on Peach Trees  
—promise to be very fine  
this season.

Can supply in car load lots. Write us  
for prices and give us a trial, we  
will try and please you.

COMMERCIAL NURSERY CO.  
HARRY NICHOLSON, Mgr.

**Victor Détriché**

Angers, France

Wholesale Grower and Exporter of Fruit-Tree  
Stocks, Forest-Tree Seedlings, Rose Stocks, Shrubs,  
and Conifers for Nursery Planting.

Write for special price-list and catalogue.

**CLARK NURSERY CO., Rochester, N.Y.**

Sole Agents for the United States.

"YOU GET WHAT YOU ORDER."

35TH YEAR

**Pan Handle Nurseries**

WE OFFER A COMPLETE ASSORTMENT OF NURSERY  
STOCK CONSISTING OF

Apple	Poplar Carolina	Ampelops's
Pear	Poplar Volga	Roses
Plum	Elm American	Evergreens
Cherry	Sycamores	California Privet
Peach	Mountain Ash	Buxus
Grape	Althea	Weeping Trees
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Gooseberry	Barberries	Black Locust "
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Maple Norway	Clematis	Catalpa Speciosa Seed.
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Our stock is well grown and graded. Prices are such that it will pay to  
investigate. Come and see us or write.

**J. K. HENBY & SON**

GREENFIELD, IND.

**P. OUWERKERK,**

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas,  
Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydran-  
geas and Shrubs, our specialties at our **HOLLAND NUR-  
SERIES**. Some of the goods on hand here during the  
packing season.

**California Privet**

LARGEST STOCK IN THE COUNTRY  
SEND FOR PRICES

**C. A. BENNETT, Robbinsville, N. J.**

**WOOD LABELS**  
FOR NURSEYMEN  
AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our  
careful attention.

Samples and Prices Cheerfully Given.

**DAYTON FRUIT TREE LABEL CO.**

SOUTH CANAL STREET,

DAYTON, O.

When writing to Advertisers mention The National Nurseryman.

**A New Blackberry.**

**THE WATT**

To be offered to the trade next spring. If interested send postal for history and  
description. **M. CRAWFORD CO., Cuyahoga Falls, O.**

**HELP WANTED.**

We have place for experienced help in the Nursery and office.  
Also for several first class salesmen. We will pay the highest  
wages to competent men.

**MONTANA NURSERY CO., Billings, Montana.**



# Bridgeport Nurseries

C H E R R Y  
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C H E R R Y

together with our usual line of other  
Fruits and other Ornamental Stock for  
Spring, 1909.

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**C. M. HOBBS & SONS,**

Successors to  
ALBERTSON & HOBBS,  
BRIDGEPORT, IND.

## Nursery Stock

**Walter Charles Slocock**  
**GOLDSWORTH NURSERY**  
*WOKING, SURREY, Eng.*

HAS THE USUAL EXTENSIVE STOCK OF  
THE FOLLOWING :

CONIFERS including a quantity of well shaped  
specimens for decorative purposes. Low prices can  
be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN AND  
DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.

MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.

Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other AMERICAN  
PLANTS.

(A good stock of all hardy varieties of Rhododendrons.)

CLEMATIS and other HARDY CLIMBING  
PLANTS.

Transplanted FOREST TREES.

THE STOCK IS IN EXCELLENT CONDITION  
LARGE QUANTITIES SHIPPED ANNUALLY.

# McHUTCHISON & CO.

17 Murray Street, NEW YORK CITY  
Representing in United States and Canada

**Vincent Lebreton, Angers, France**  
Grower and Exporter of

**FRUIT and ORNAMENTAL SEEDLINGS**  
Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,  
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.  
Exports Exceed 20,000,000 Stocks Annually.  
Write for special prices, lists, catalog, etc.

**Schaum & Van Tol, Boskoop, (Holland)**  
Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,  
HARDY AZALEAS, BOXWOOD, PAEONIES,  
CONIFERS, Etc.

Also full line of Boskoop grown stock.  
Write for special price lists, catalog, etc.

**Union Nurseries, Oudembosch, (Holland)**  
LARGE GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE  
CHESTNUTS, RIVERS PURPLE BEECH,  
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.  
Large Quantities. Lowest Prices.  
Write for special price lists, catalog, etc.

**Royal Tottenham Nurseries**  
Deedemsvaart, Holland

Largest Growers of  
HERBACEOUS PLANTS, PERENNIALS, ETC.  
Write for catalog.

We are direct importers of  
ENGLISH MANETTI, RHODODENDRONS, Etc., JAPANESE  
NURSERY STOCK, MAPLES, SCIADOPITYS, TREE  
PAEONIAS, THUYA, JAP BULBS, Etc.

**BAY TREES**  
Pyramids and Standards from Belgium

**RAFFIA, Red Star Brand,**  
The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.  
Stock always on hand. Samples sent free.  
BALE LOTS ONLY

SHIPPING. We have our own Custom House Depart-  
ment. Special facilities at Havre, Antwerp, Rotterdam,  
Southampton, Hamburg, etc. Lowest rates consistent  
with perishable nature of stock.

**McHUTCHISON & CO.**  
17 Murray Street, NEW YORK.



## Natural Guano



PULVERIZED Sheep Manure, pure and unadulterated. Unexcelled for all kinds of Nursery Stock, giving healthy and luxuriant growth to the plant. Can be applied either with drill or fertilizer attachment.

Price and freight rates on application.

**Natural Guano Company**  
AURORA, ILLINOIS

## ALMA NURSERIES, HOLLAND Oudenbosch and Boskoop

Proprietors { U. J. Heerma Van Voss, Czn.  
H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Large Stock of Ornamental Trees and Shrubs  
Conifers, Evergreens, Etc.

SOLE AMERICAN AGENT:

J. MEËRKAMP VAN EMBDEN, Mt. Vernon, N. Y.

Ask for our General Catalogue and special offer.

## SIMPSON

is the name of the men who  
grow the finest

## CHERRY

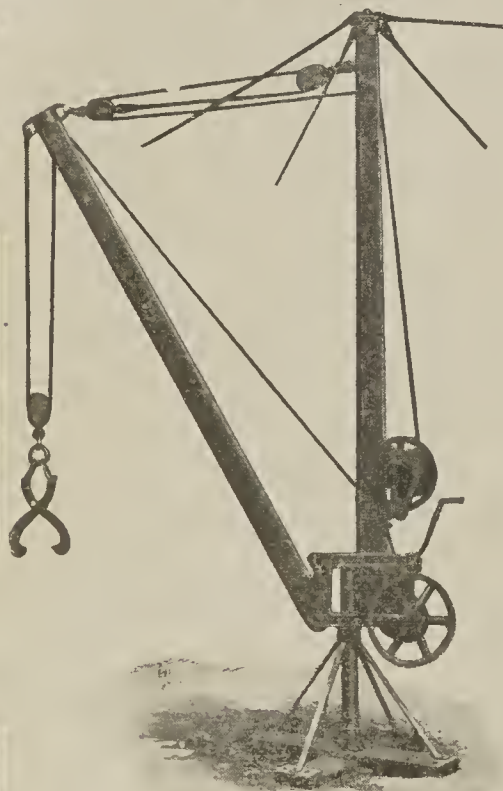
that can be produced by suitable soil,  
climate and expert knowledge.

Take a look at the stock or ask for a  
sample and be convinced of the *extra*  
*quality* of their

## TREES

H. M. Simpson & Sons,  
Vincennes, Indiana

## The Parker Derrick



Is the only practical Derrick  
made for handling Trees and  
other light loads

MADE IN TWO SIZES

No. 1, capacity, 1500 lbs.  
No. 4, capacity, 4000 lbs.

They are light, portable and  
easily handled.

We manufacture Hoisting  
Engines and Derricks  
of all descriptions.

Write for Illustrated Catalogue C.

**Parker Hoist and Derrick Co.**

Old Colony Building  
CHICAGO, U. S. A.

## Specialties

PEARS, Kieffer—PEACHES, all grades, in large  
assortment—CHERRY—PLUMS, European  
and Japan.

### EVERGREENS

Arbor Vitae, 2 to 10 ft. Irish Juniper  
Norway Spruce Pyramidalis  
All in large sizes.

BLACK LOCUST  
SEEDLINGS

GOLDEN WILLOW  
in small sizes

Silver Maple, American Elm, Catalpa,  
Bungei, Cut Leaf Weeping Birch

Write for Special Prices

**The Farmers Nursery  
Company**  
TROY, OHIO

Nursery Stock grown at Dansville, N.Y. and Troy, O.



Largest Grower in America of

# GRAPE VINES

Other Specialties

## Currants and Gooseberries

INTRODUCER OF CAMPBELL'S EARLY GRAPE  
JOSSELYN GOOSEBERRY, FAY  
CURRANT.

OVER THIRTY YEARS WITH NO CHANGE WHATEVER IN  
OWNERSHIP OR MANAGEMENT.

Our main business is the growing of unusually high grade stock suitable for the proper filling of Nurserymen's Retail Orders. There being no standard for grading above kinds of stock, every grower of the same is at perfect liberty to adopt his own ideas for growing and grading and alter the same as often as he sees fit.

Our stock this season has made very heavy growth and we have ordered extra boxing to meet this necessity. Box and packing free.

Prices reasonable but not always lower than are generally quoted for light rooted stock.

Please send us your list of wants.

**George S. Josselyn,**  
FREDONIA, NEW YORK

## For Spring, 1909

Many lines of Shrubs, Ornamentals etc. will be very scarce. We have a good supply of the scarce articles, as well as a large and complete stock of Fruit, Shade, and Ornamentals, Shrubs, Perennials, Roses and Forest Tree Seedlings.

Send us your want lists for special prices.

Trade list ready February 15th. Send for copy.

1500 lbs. Black Locust Seed to offer.

*The Willadean Nurseries*

THE DONALDSON CO.,

WARSAW, KY.

## Grafted Pecan Trees

### THE NUT NURSERY CO.

R. C. Simpson, Mgr.,

MONTICELLO, FLA.

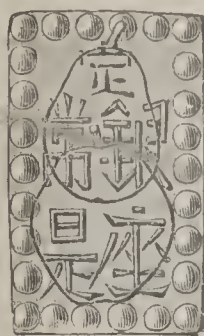
**A BARGAIN** IN STANDARD PEARS.  
Extra size, 6 to 7 ft.; 1  
inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere  
Address,

**PIONEER NURSERIES COMPANY,**  
Salt Lake City, Utah.

When writing to Advertisers mention The National Nurseryman.



HEIKES -- HUNTSVILLE -- TREES

## HUNTSVILLE

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Spring of 1909, Pears, Plums, Cherries, Peaches, Roses, and Pecans in large quantities as usual.

### SPECIALTIES

**KIEFFER PEARS** Which we grow in larger numbers than any other nursery in the United States. Our stock for the coming season, while not as large as usual, will be sufficient to enable us to make reasonable prices.

**PEARS, Assorted Standard**—Our assortment comprises Koonce, Early Harvest, Le Conte, Howell, Bartlett, Smith's, Garber, Duchess d'Angoleme, Japan Golden Russet, Magnolia, Beurre d'Anjou and Lawrence.

**CHERRIES**—We are also the largest grower of Cherries; but our stock of two years old for this season will be comparatively short.

**PEACHES**—We also excel in Peaches, and of these we will have both in one year and June buds the largest stock we have ever grown.

**PLUMS**—A light stock of these for this year.

**PECANS**—We continue to make a specialty of grafted Pecans. These are grown at our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

**ROSES, Budded**—These are also grown at Biloxi, Miss., because of the favorable conditions found there for their propagation. Our stock is large, consisting principally of Hybrid Perpetuals, Mosses, Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

**SOMETHING NEW**—A Root-Graft Wrapping Machine invented by W. H. Bell, the Superintendent of these nurseries. It does the work perfectly and will be on exhibition at the Nurserymen's Convention at Milwaukee.

Address, W. F. HEIKES, Manager,  
HUNTSVILLE, ALA.

ROSES - SHRUBS - CANNAS - PHLOX  
JAPANESE IRIS - HERBACEOUS PAEONIES

All Field Grown - Big Money *VALUES*

Tea's, Hybrid Teas, Hybrid Perpetual, Mosses, Rugosas  
Climbers, Ramblers, —THIRTY types in all. Enormous  
quantities—Assortment the greatest.

Send us your list—Now!

Get our quotations—Now!!

Ask for our catalog—NOW!!!

**The United States Nursery Co.**

RICH - Coahoma County - MISS.

## Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks,  
Forest Tree Seedlings, Rose Stocks, Shrubs,  
Vines, and Conifers for Nursery Planting.

### ANNOUNCES

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

**JACKSON & PERKINS CO.**

NEWARK, N. Y.

When writing to Advertisers mention The National Nurseryman.



# I make a Specialty of Peach

G. W. NICHOLS, Holley, N. Y.

## North Carolina PEACH SEED Natural



Write for sample and special prices.

Clark Nursery Co.  
Rochester, N. Y.

"You Get What You Order."

## PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED, crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,  
4th Ave. & Clinton St., BALTIMORE, MD.

## Young Ornamentals for Lining Out

OUR usual Big List is now ready. Don't delay or the other fellow may get just what you want. This class of stock is very popular among nurserymen throughout the land and we seldom have any "left overs" by Spring. Get the list.

Thomas Meehan & Sons, Inc.  
Dresher, Box T., Pa

## L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias  
Nurserymen Should Try My Simplex Tree Baler  
IT DOES THE WORK. PRICE \$16.00.  
For Sale—BRAGG TREE DIGGER. Used but a few days

## PEACH SEED

I still have a few hundred bushels of 1907 crop peach pits. Special prices to close them out. Write

C. G. NIEMAN, Port Clinton, Ohio

## Budded Pecan Trees

Japan Persimmon, Japan Walnut,  
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,  
JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.



400 best sorts

## ROSES

for lining out.

SEND your want LIST for our

THE LEEDLE FLORAL COMPANY  
SPRINGFIELD, OHIO.

## R. C. PETERS & SONS

IRONSHIRE, MARYLAND

(Successors to)

Wm. M. Peters' Sons, Snow Hill, Md.

Bell Telephone connections in office.

Telegraph Office, Berlin, Md.

Offer for Spring 1909

Peach Trees of all the leading varieties,  
California Privet and Grape Vines

Send in your list of wants for Special Prices.

Grand stock of specimens

GROENEWEGEN & SON  
ROYAL NURSERIES  
DE BILT  
near Utrecht  
HOLLAND

London Planes,  
Acer Schwedleri,  
Lime Dasystylla,  
Horse Chestnuts—red  
and white flowered,  
Thorns—Paul's Scarlet,  
Large leaved Elms, Etc.

Catalogue 1909 now ready,  
will be sent on  
application.

## For Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

## Hedge Plants, California and Amoor River Privet

We offer the trade nearly a million plants in the above for Fall and Spring delivery. Write for wholesale price list. We have fine well branched stock, grown especially for the Nurserymen's Retail trade, and offer prompt and satisfactory services. We have also 50,000 Soft Maple Seedlings, some Carolina Popular and American Sycamore in surplus, with other ornamental stock. Trade list ready August the first.

VALDESAN NURSERIES,

Bostic Department, Bostic, North Carolina.

When writing to Advertisers mention The National Nurseryman.



# COUNT LIST

## TWO YR. CHERRY ON MAHALEB

WESTERN GROWN

	5-6 ft. 3/4 in.	4-5 ft. 5-8 in.	3 1/2-4 ft. 1/2 in.	3-4 ft.
Dyehouse .....	132	800	500	164
Early Richmond ....	1250	5800	3810	800
Eng. Morello .....		140	1000	540
Montmorency .....	520	3745	3705	1500

## PEAR

Two Year Standard on French Stock.

	5-7 ft. 3/4 in.	5-8 in.	1/2 in.
Kieffer .....	5000	6000	3000
Bartlett .....		400	1000

## FRUIT TREE STOCKS

	No. 1 3-16 in.	No. 2 2-16 in.	No. 3
Japan Pear Stocks ..	19000	38000	17000
Mahaleb .....			50000
Apple Seedlings .....	Sold	Sold	Sold

## FOREST TREE SEEDLINGS

AND OSAGE HEDGE.

	6 to 12	4 to 6
Speciosa Catalpa ....	196000	
Soft Maple .....	85000	30000
Elm .....	11000	
	2-3 ft.	18-24 in.
Honey Locust .....	10000	12000
	No. 1	No. 2
Osage Hedge .....	370000	60000

## FULL LINE OF SHADE TREES

Catalpa, Elm, Locust, Maple, Sycamore, Ash, Box Elder.

**The Winfield Nursery Co.**  
WINFIELD, KANSAS

# B. E. Fields & Son

Fremont Nurseries

Fremont, Nebraska

Offer for Spring, 1909

All Stock in cold storage

## Kieffer & Garber Pear

All Grades

Native Plum, Cherry, 1 and 2-yr. (sour sorts).

**500,000 Grapes, Concord  
and choice varieties**

Elm and maple, 12-18 in. only.

Large assortment of Field Grown Roses,  
Shrubs, Climbing Vines, Etc.

## CAROLINA POPLAR

1 and 2 yrs. Branched and Whips

## HONEY LOCUST

All Grades

Ash, Maple, Box Elder, Wild Black Cherry,  
Walnut Seedlings

Willow and Cottonwood Seedlings.

# BALTIMORE NURSERIES Franklin Davis Nursery Company BALTIMORE, MD.

We offer for Fall, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

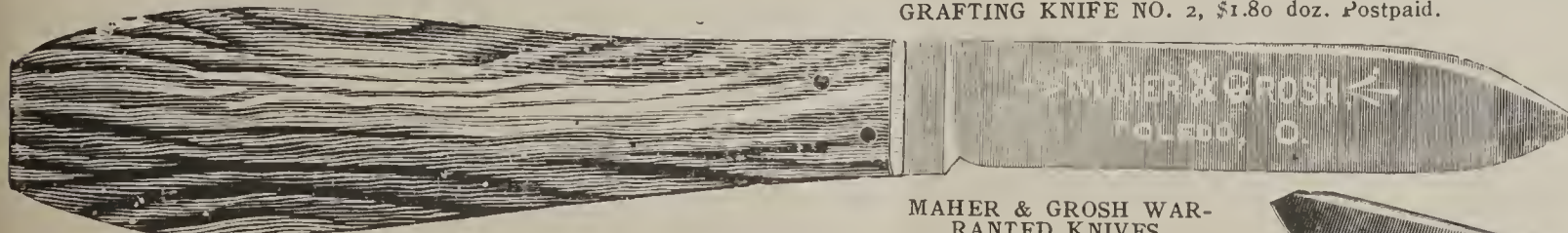
# LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Any orders for Spring should be sent without further delay. Compare prices quoted in last Fall's trade list. Address us or our

American Agents, AUGUST ROLKER & SONS, New York, 31 Barclay Street, or P. O. Box 752.

GRAFTING KNIFE NO. 2, \$1.80 doz. Postpaid.



MAHER & GROSH WAR-  
RANTED KNIVES.

FLORISTS' KNIFE

White Handle

No. 89

50c. postpaid

Pocket Grafting Knives, 30, 40 and 50c. each. Nursery Pruner, 50c. postpaid. Nursery Budder, 25c. postpaid. Pocket Budder, 35c. postpaid.

The FLORIST KNIFE—No. 89, as shown, 50c.; 6 for \$2.50. No. 89 1/2 has grafting point blade, same price. These blades are equal to any razor in fineness.

Send for 12 page Nursery Tool Catalogue.

MAHER & GROSH CO., 90 A St., TOLEDO, OHIO

When writing to Advertisers mention The National Nurseryman.



# J. H. SKINNER & CO.

Sta. "A," Topeka, Kansas

**SPRING, 1909**

FRUIT, SHADE AND ORNAMENTAL TREES  
FLOWERING SHRUBS.

ELM AND MAPLE SEEDLINGS, 1 YEAR. A few  
1 Year Seedlings of American Sweet Chestnut.

Horse Chestnut. Kentucky Coffee Tree.

JAPAN WALNUTS: Will make attractive prices on  
600 3 to 4 ft. 900 2 to 3 ft. 2,000 1 to 2 ft.

# E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,  
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

**PEAR AND CRAB APPLE SEED,**

The most complete assortment of Ornamental Stocks,  
Trees and Shrubs.

**Geo. E. Dickinson,** 1 Broadway, N. Y.

# YOUNGERS & CO.

GENEVA, N. B.

OFFER FOR FALL TRADE

Apple, Plum, Peach and Cherry Trees

**SEEDLINGS**

Apple, Black Locust, Catalpa Speciosa,  
Maple, Elm and Osage

ALSO A FULL LINE OF

**ORNAMENTAL & SHADE TREES**

WRITE FOR PRICES

# The L. Green & Son Co.

**PERRY, LAKE CO., OHIO**

Offers for Fall '08, one of the Most Complete Assortments  
in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan,  
and Native Plum, Peach, Ornamental Trees and a  
fine lot of Poplars, including 1 yr. whips, 3 to 7 ft.  
Lots of shrubs, vines, roses, evergreens, herbaceous  
and perennial plants. Also a nice lot of 2 yr.  
grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

Established 1780.

# Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

**SEASON, 1909**

FOR NURSERY STOCKS OF THEIR OWN  
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

# Everybody Knows

Park, Cemetery and Landscape Gardening can not be properly  
done without the aid of an accurate leveling instrument.

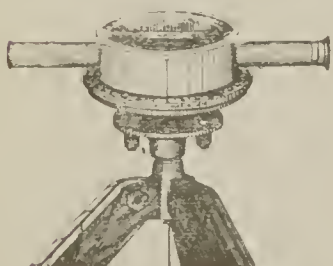
# Bostrom's Improved Levels,

No. 2 at \$15.00 and No. 3 at \$25.00,

are conceded by all who know to be the  
only Levels on the market which meet all  
the requirements, at the price.

Our guarantee back of every Level we  
sell, and satisfied users in every State in  
the Union heartily endorse every claim  
we make.

Shipping weight 12 lbs. Description  
on request.



**BOSTROM-BRADY MFG. CO.**

133 MADISON AVENUE, ATLANTA, GA.

When writing to Advertisers mention The National Nurseryman.

# W. T. HOOD & CO.,

Old Dominion Nurseries

**RICHMOND, VA.**

**Specialties for Spring 1909**

Japan Pear Seedlings; California Privet---Fine Plants.

**Special Inducements in Carload Lots**

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all  
varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2  
yr., Champion, Orange, Meeches & Reas, exceptionally  
fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

**GENERAL LINE OF NURSERY STOCK**

Correspondence Invited.

When writing to Advertisers mention The National Nurseryman.



**W**ILLIS NURSERIES,  
Ottawa, Kansas offer for  
shipment in the Spring of  
1909, Cherries of all grades, Grapes,  
1 Yr. No. 1 in good assortment,  
Teas Mulberry 2 Yr. heads, Cut  
Leaf Birch, also a general assort-  
ment of Nursery Stock.

Stock is in storage and  
shipment will be made  
promptly on short notice

*Your Orders Solicited*

## STARK BRO'S NURSERIES & ORCHARDS COMPANY

CAPITAL STOCK \$1,000,000

PIONEER NURSERIES OF THE WEST

Established 1825

Fourth Generation of Stark Nurserymen

STARK  
DIGGERS  
are now  
furnished  
with a  
very heavy  
double  
edged  
blade of  
highest  
quality  
crucible  
steel ;  
prevents  
all twists  
and spring.

A boy  
can pull  
trees  
loosened by  
the adjust-  
able lifter.



Thrown  
in or out of  
the ground  
quickly,  
without  
heavy  
lifting.  
Easily  
turned.  
Moved  
from one  
location  
to another  
on its own  
wheels.  
Used by  
many of  
the leading  
nursery-  
men; has  
always giv-  
en satis-  
faction.

Write for Descriptive Circular and Prices

General Office, Nurseries, Packing Houses  
LOUISIANA, MO.

BRANCHES { Starkdale, Mo. Rockport, Ill. Atlantic, Ia.  
Fayetteville, Ark. Portland and Dansville, N. Y.

Storage Capacity 1,000 Car Loads

A GENERAL LINE OF NURSERY STOCK

## Hermann Sievers

*Halstenbeck*

*Near Hamburg, (Germany)*

### FOREST and HEDGE PLANTS Dwarf Roses

Price List and special offer on application.

## 500,000 Berry Plants For Sale

Plant Raspberries for this fruit is in great demand on our markets today. The superlative Raspberry leads as 3 to 1 of any other variety. Leading nurserymen will catalogue this berry, using copy of my cut, this coming season.

Send your name and address for 1909 catalog, now ready.

A. MITTING, Santa Cruz, Calif.



# RHODODENDRONS

An immense stock of all the hardiest known kinds, 2 to 3½ feet, fine plants, all home grown, many being on own roots far better than grafted stock.

Rhodo. Catawbiense Seedlings of all colors. This is the Nursery in which most of the Rhodo's that have proved hardy in America were raised.

Seedling hardy Azaleas not to be obtained elsewhere.

Golden Yews, Kalmias, and other hardy plants in great variety and of all sizes.

## ANTHONY WATERER,

KNAP HILL NURSERY,

KNAP HILL

SURREY, ENGLAND

Catalogues on application.

No connection whatever with any other firm.

When writing to Advertisers mention The National Nurseryman.



# Your Strawberry Plant Orders

FOR SEVERAL years I have been filling strawberry plant orders for a great many leading nurserymen. Most of these send me their shipping instructions and tags and I ship direct to their customers. As this seems to be the best way for nurserymen to have their strawberry plant orders handled I am preparing to greatly improve my facilities for this work and to make it one of the main features of my business. The additional charge made for handling orders in this manner is very small, just enough to pay the additional expense of billing out small orders. I also ship plants direct to nurserymen who wish to bill out their own orders.

The extensive improvements I expect to make this summer will enable me to give all nurserymen prompt, accurate and careful service.

If you buy strawberry plants get in communication with me before contracting for your next season's supply

## W. W. THOMAS

THE STRAWBERRY PLANT MAN

### ANNA, ILLINOIS

200 ACRES IN PLANTS,

ASPARAGUS AND RHUBARB ROOTS

NAMES OF NURSERYMEN WILL BE PROTECTED

ESTABLISHED 1845

## Bryant's Nurseries

IF YOU ARE INTERESTED IN:

Box Elder, Elm, Soft Maple  
and Walnut Seedlings.  
Elm, Linden, Norway Maple  
and Carolina Poplars all sizes.

A GENERAL STOCK OF

Althea,  
Barberry Thunbergii,  
Siberian Dogwood,  
Spiraea Van Houttii,  
Purple Leaved Barberry,  
Persian and Purple Lilacs,  
Azalias,  
Clematis,  
Hydrangeas.

Also a large stock of Cherry, Plum,  
Peach, Grapes, Currants and  
Gooseberries.

Send for Spring List just issued.

## ARTHUR BRYANT & SON

PRINCETON, ILLS.

When writing to Advertisers mention The National Nurseryman.

## Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

## BOX STRAPS

### WARD-DICKEY STEEL COMPANY

INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

## Colombe-Lenault-Huet,

NURSERYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE, VERY GOOD PACKING.  
WRITE DIRECT, I HAVE NO AGENTS.

## 4,000,000 PEACH TREES

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,

WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry. Write for prices.

## JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and  
General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.  
Write direct to us, we have no agents.

## Vincennes Nurseries

W. C. REED, Prop., - VINCENNES, IND.

The Home of ALICE and the CHERRY TREES

We have the Soil, the Climate and the Experience and can furnish a tree that can not be surpassed for Vitality or Size.  
Foliage all on our Trees August 1st as fresh and green as May insuring well ripened wood, the kind that will live when Transplanted.  
Splendid Tops and Fine Roots.

Cherry Being Our Specialty Can Furnish in 100,000  
Lots or Less, All Leading Varieties.

Two Year Cherry, 1 in. up XX Fancy One Year Cherry, 3-4 in. up  
" " 3-4 to 1 in. " " 5-8, to 3-4, and  
" " 5-8 to 3-4 & 1-2 to 5-8. 1-2 to 5-8.

CHERRY BUDS furnished on short notice, any quantity. General line of other Fruit Stock Ornamentals, Roses, Shade Trees, Weeping Trees, etc. Submit List of Wants for prices. Personal inspection invited.

FOR SALE!

## Boiler,

80-horse power, low pressure. Price very reasonable.

PAUL F. BEICH COMPANY,  
Bloomington, Ill.

When writing to Advertisers mention The National Nurseryman.



**Price Reduced**  
For  
**"Red Star Raffia"**

Yes, and our guarantee still accompanies every pound. "Red Star" brand *must* and *does* give satisfaction. We take the risk. Sample free. Write for new schedule of reduced rates.

**Young Stock**  
For **Lining Out**

New list ready. Nurserymen the country over come to us annually for this class of stock. The "early birds" get the best selection. Better write *now* for the list.

**Thomas Meehan & Sons, Inc.**  
DRESHER, Box T., PA.

**DREER SPECIALS**  
**FOR SPRING 1909**  
**PÆONIES**  
**PHLOXES**  
**JAPANESE IRIS**  
**GERMAN IRIS**  
**TRITOMAS**

And a most complete line of Hardy Perennials,  
Decorative Foliage and Greenhouse Plants  
Write for special prices on your requirements

**HENRY A. DREER, PHILADELPHIA, PA.**

**STRAWBERRY!**  
**RASPBERRY!**  
**BLACKBERRY!**

**Strawberry Plants.**—We are growing 80 acres of 100 varieties, all the best old and new sorts. We are growing them on new land and can guarantee the best plants possible for the money.

**Raspberry Plants.**—We have 40 acres of new fields of Raspberry plants, and expect a large supply of first-class plants of all the leading varieties.

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We also have 1,000,000 Asparagus plants, 100,000 Rhubarb, and all other small fruit plants. Address

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**PEONIES**

ONLY BY THE WHOLESALE

Let me send you my list of over **100**  
Best Varieties.

**J. F. ROSENFELD,**

WEST POINT, NEBR.

**Forest Seedlings**

To close out quick, I offer the following first-class  
stock, Wholesale Trade

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| 50 M. American Persimmon. 1 to 2 ft.                | 50 M. Elm (white.) 1 to 2 ft.  |
| 100 M. Amorpha fruticosa. 1 to 3 ft.                | 75 M. Hamamelis, Witch Hazel. 1 to 3 ft.   |
| 300 M. Althea Rosea Grafting Stocks.                | 50 M. Tulip Poplar. 1 to 10 ft.  |
| 500 M. Cal. Privet Cuttings.                        | 20 M. Sweet Gum. 1 to 6 ft.  |
| 500 M. Black Locust. 1 to 5 ft.                     | 50 M. Black Walnut. 1 to 3 ft.   |
| 50 M. Calycanthus, Sweet Shrub. 1 to 3 ft.          | 20 M. Wistaria. 1 to 3 ft.   |
| 150 M. Cercis canadensis, Red Bud. 1 to 4 ft.       | 20 M. Yucca filamentosa, 2 year. Butternuts, Japan Walnuts, Ash, Maples, etc. Send for trade list. |
| 60 M. Cornus stolonifera, Ozier Dogwood. 1 to 5 ft. | I offer my entire stock at low prices to close out.  |
| 50 M. Diospyros, Am. Persimmon. 6 to 30 in.         |  |

**FOREST NURSERY CO.**  
McMinnville, Tenn.

**WE** make a specialty of collecting accounts for the Trade.

For particulars and references, address the

**National Florists' Board of Trade,**

56 Pine Street, New York City

**WANTED.**

Good reliable man. A good budder, with good habits. Address **PROVO NURSERIES,**

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**Crescent Nursery Co.**  
**Council Bluffs, Ia.**

We offer our large stock of **PÆONIES** at a special low price for Spring, 1909. Also a large stock of Cherries, Plums, Pears, Gooseberries, Deciduous Trees and Ornamental Shrubs.

When writing to Advertisers mention The National Nurseryman.

**50¢** **MODEL A** **Bull Dog SUSPENDERS**  
OUTWEAR THREE ORDINARY KINDS

**Rubber—the Life of a Suspender**  
is a vegetable that decays and evaporates, giving suspenders short life if the strands are not thick enough to withstand penetration by the elements. A comparison of the thin rubber used in ordinary 50c. suspenders with the thicker strands to be found in BULL DOG WEBS explains why BULL DOG SUSPENDERS withstand heat, perspiration of the body, climatic action, etc., better, and why **They Outwear Three Ordinary Kinds.** Bull Dog Suspenders have unbreakable, non-rusting, gold gilt metal parts; tough, pliable Bull Dog ends that won't pull out at the button holes, are made in light, heavy and extra heavy weights (extra long if desired), comfortable, neat, durable.

**TRUE SUSPENDER ECONOMY, 50 CENTS**  
Money Back if not entirely satisfactory  
**HEWES & POTTER, Dept. 2931 Lincoln St., Boston, Mass.**



# More Evidence of the Superiority of the Improved Feigly Tree Digger.

IT HAS THE ENDORSEMENT OF MR. WM. H. MAST, ACTING SUPERVISOR  
UNITED STATES DEPARTMENT OF AGRICULTURE  
AS WELL AS PROMINENT NURSERYMEN FROM ALL OVER THE COUNTRY.



THE IMPROVED  
FEIGLY NURSERY TREE DIGGER.

## NOTE THESE STRONG ENDORSEMENTS.

Howard Lake and Victor Nurseries.  
Established 1887. W. H. Eddy, Prop.  
Mr. Al. K. Feigly, Skiatook, Okla. Howard Lake, Minn., Sept. 28, 1908.  
Dear Sir: We are pleased to say, since receiving your Tree Digger two years ago that we have used no other Digger but yours. Our soil is a heavy clay loam and we find that with two horses we can dig trees as large as two inch Caliper in this soil. We consider the draft to be only one-third as much as with the other digger we have been using. Wishing you success, I am  
Yours very truly, W. H. EDDY.

The Gardener Nursery Co. Osage, Iowa, Oct 9, 1908.  
Mr. Al. K. Feigly, Skiatook, Okla.  
Dear Sir: We have used one of your Feigly Diggers for several years and have found same much more satisfactory in every way than the old style machines. We have two of the latter but our foreman never uses them, as all kinds of digging is done with less power, and with much less bother with the Feigly. We use your digger for small stock in beds, and on the largest sizes of shade trees grown for park and street planting.  
Sincerely yours,  
The Gardener Nursery Co.  
Dict. by C. E. G.

"BUY A FEIGLY" and you will consider it the best investment you have ever made in connection with your Nursery Business. Cheapest and best. Would advise early orders to insure prompt shipment. WRITE FOR PRICES.

AL. K. FEIGLY MFG., Office and Factory, Skiatook, Okla.

## Evergreen and Forest Tree Seedlings

in Large Quantities

A FULL LINE OF

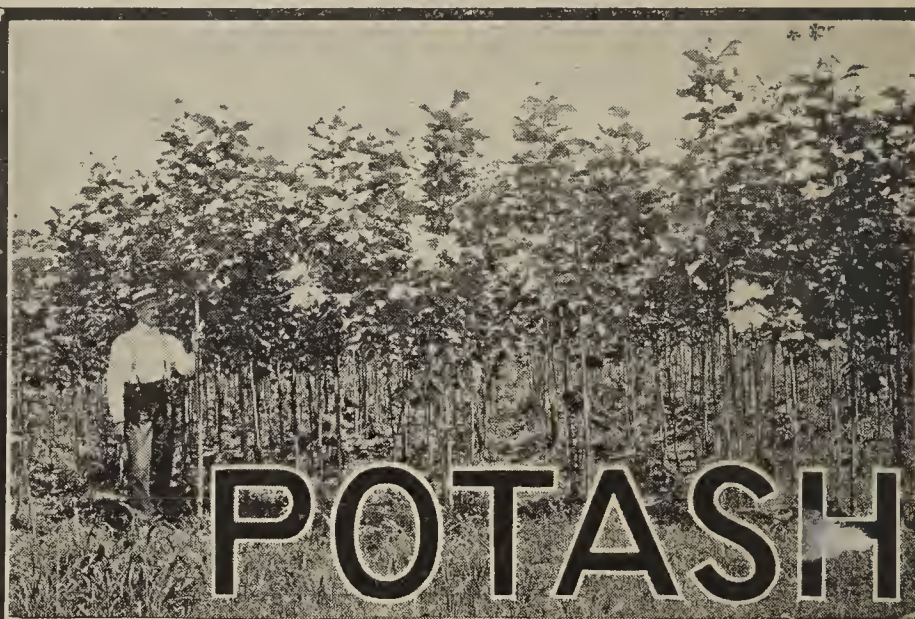
Specimen Evergreens  
Ornamental Trees  
Shrubs

WRITE FOR CATALOGUE

**R. DOUGLAS' SONS**

WAUKEGAN, ILLS.

Established 1848



## Hardy Nursery Stock

is grown with unfailing success on land made fertile by the application of commercial fertilizer containing the proper proportion of Potash.

Do not forget the importance of Potash in the growing of trees, shrubs and plants.

A correct fertilizer supplies the plant food for abundant foliage, produces sturdy stock and imparts to young trees a disease-resisting vigor.

Ask for Our Free Books on Fertilizing

GERMAN KALI WORKS, 93 Nassau St., New York  
Monadnock Bldg., Chicago. Candler Bldg., Atlanta, Ga.

Lombardy Poplars, 8 to 14 ft.  
Carolina Poplars, 8 to 10 ft.  
California Privet, 1 to 4 ft.

ALL FINE  
STOCK

**JOSIAH A. ROBERTS,**  
MALVERN, CHESTER COUNTY, PA.

## Hardy Herbaceous Perennials

Strong, well-grown plants at reasonable rates.  
Send for trade price-list.

**DANIEL A. CLARKE,**  
RED OAK NURSERIES, FISKEVILLE, R. I.

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## 1908 Crop Evergreen Tree Seeds

Thuya Occidentalis	Am. A. Vitae
Larix "	Mammoth Larch
Pinus Strobus	White Pine
Abies Canadensis	Hemlock
Pinus Banksiana	Divaricata

ALL GUARANTEED 1908 CROP

We have a quantity of above seed of our own collection, over and above what we need for our own sowing, and offer it to the trade at a price as low as good seed can be collected and sold for.

ADDRESS

**EVERGREEN NURSERY CO.**  
STURGEON BAY, WIS.





## Everything in Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

## CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

### Offers One Million Grape Vines

One and Two Year Old for  
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

## We are Prepared to Handle Your Orders

for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

**SPECIAL**—We have 1000 bu. of Red and Burr Oak Acorns on which we can make special low price.

SEED DEPT.

## DUNDEE NURSERIES

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DUNDEE, ILLINOIS

## F. E. SCHIFFERLI

FREDONIA, N. Y.

Successor to WHEELLOCK & CLARK

AT IT SEVENTEEN YEARS

For **SPRING 1909**

GRAPE VINES AND CURRANT PLANTS

GRAPE AND CURRANT CUTTINGS

CORRESPONDENCE SOLICITED

## Foreman

Wanted by a New England Nursery growing a general line of Fruit and Ornamentals. Must be a worker and understand the business. Will pay good wages to a man that can fill the bill. Address, stating experience, age, salary wanted, references, etc., to

FOREMAN, care of NATIONAL NURSERYMAN.

## Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

## Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. **Specialties:** Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested

## Grape Vines

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

T. S. HUBBARD CO., Fredonia, N. Y.

# PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobalan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

## A BARGAIN

Prairie Home Nursery. Cheap—Easy Terms.

Address Box 441, Ponca City, Okla.

## SPRING OF 1909

New Trade Sheet and Scion List Just Out. WRITE FOR THEM.

We have a Large Stock and can Ship Promptly.

NURSERIES AT CARROLLTON AND JERSEYVILLE, ILL.

JOHN A. CANNEDY NURSERY AND ORCHARD CO.,

CARROLLTON, ILL

## W. Fromow & Sons

Windlesham Nurseries, Surrey, England

NOW IS THE TIME to place your orders for fall or spring deliveries of our well grown stocks of Roses, Rhododendron, Golden Privet, Retinosporas, Box, Holly, etc. For prices we refer to our latest wholesale price list mailed in November. For further particulars address our SOLE AMERICAN AGENTS

AUGUST RÖLKER & SONS, P. O. Box 752, or 31 Barclay Street, NEW YORK.

When writing to Advertisers mention The National Nurseryman.



# The New HYDRANGEA

Arborescens grandiflora (sterile)  
"Hills of Snow"

Grown especially for the Nurserymen's Retail Trade. Colored Plates free At  
tractive circulars at cost.

J. W. McNARY,  
Dayton and Xenia Nurseries, Dayton, Ohio

## Carolina Poplars by the Carload

Peach Trees—fine ones. Peach Seed—the best.

If you want any of the above, apply at once. We are going to  
sell at some price.

GILES CO. NURSERY COMPANY,  
Pulaski, Tenn.

## FOR SALE

200,000 California Privet cuttings. One year wood.  
Can ship any time. Prices on application.

H. W. STABLER,  
No. 621 13th St., N. W.,  
WASHINGTON, D. C.

# 20,000,000

## STRAWBERRY PLANTS for SPRING, 1909

Varieties: Aroma, Lady Thompson, Excelsior, Klondike and Dunlaps.

Correspondence Solicited.

H. LIGHTFOOT, Chattanooga, Tenn

## At a Bargain

30,000 Two year Cherry, strictly  
first class in the different sizes.  
Get our prices.

Also have several thousand Pear,  
two year, largely Keiffer.

G. H. MILLER & SON  
ROME, GA.

# Silver Leaf Nurseries

To reduce surplus I am offering special prices for February and March  
delivery. Stock first class. Send want list for prices.

Peach		Size, ¾ up.	¾	7-16 3 to 4 ft.
Sneed	400	450	400	
Alexander	300			
Carman	300	3800	820	400
Triumph				325
Belle of Georgia				240
Greensboro	300	540	210	
Early Rivers	65	42	10	50
Mamie Ross	95	100	35	40
Waterloo	15	85	70	30
Emma	245	950	1400	2200
Early Crawford	230	2400	2100	1200
Late Crawford	170	3000	1100	900
Stump	60		40	240
Stevens	35	60	200	
Smock	80	1700	1900	700
Old Mixon Free	300	1800	2500	1700
Elberta	620	6000	7000	4500
Heath Cling	60	250	220	110
Susquehanna	80			110
General Lee	45	60		150
Chinese Cling	30	85	24	90
Old Mixon Cling	38		70	80
Blood Cling				210

We also have 1 to 2, and 2 to 3 ft. Peach in surplus.

Pear		Size, ¾	¾	¾	Plum on Plum,	
Early Harvest	90	105	115		2 yrs. Size ¾	
Seckel	20	200	650		Red June	227
Clapp	15	124	180		Gen. Hand	38
Bartlett		200	245		Wild Goose	360
Flemish Beauty		140	260		Abundance	300
Kieffer	1500	3800	2300		Wickson	1170
LeConte	150	200	90		Burbank	300
Beurre D'Anjou		30	300		Willard	50
Duchess d'Angouleme	180	240				
Garber	400	340	230			
Bloodgood		20	30			

Plum on Peach,				Cherry, 2 yrs. on Mahaleb,					
	Size,	$\frac{3}{4}$	$\frac{5}{8}$	$\frac{1}{2}$		Size,	$\frac{3}{4}$	$\frac{5}{8}$	$\frac{1}{2}$
Red June . . . . .	40	400	350		Early Richmond . . .	600	3000	5000	
Gen. Hand . . . . .		30			Large Montmorency . .	300	900	800	
Wild Goose . . . . .	150	100	40		Dyehouse . . . . .	1000	2000	5000	
Abundance . . . . .	500	1100	200		Gov. Wood . . . . .	600	1000	150	
Wickson . . . . .	280	240	180		Yellow Spanish . . . . .		100	100	
S. Damson . . . . .		700	300						

C. C. DAVIS, Rose Hill, Va.

## B. RUYS

Royal Moerheim Nurseries  
Dedemsvaart, Holland

LARGEST GROWERS OF

## Hardy Perennials

(Largest Stock in Europe), DWARF ROSES, specially  
new sorts, STOCKS of ROSES, RHODODENDRONS,  
many new sorts as Pink Pearl, etc. COLORADO BLUE  
SPRUCES, enormous stock, CURRANTS, new sorts, etc.

The following PERENNIALS can be specially recommended :

Gypsophila paniculata fl. pl.  
Aconitums Wilsoni and other sorts.  
Aster Thompsoni, extra fine clear blue, early.  
Campanula persicifolia Moerheimi (own raising).  
Clematis erecta fl. pl.  
Delphiniums, many novelties.  
Dictamnus caucasicus.  
Eremurus, many sorts.  
Incarvillea grandiflora.  
Papaver, Phlox and Pyrethrums.  
Tunica Saxifraga, fl. pl. etc. etc.

American Address during February and March:

In care of MESSRS. MALTUS & WARE,

14 Stone Street New York City

Write for catalog and special prices.



# Pratt's "SCALECIDE"

Will Positively Destroy SAN JOSE SCALE and all Soft Bodied Sucking Insects Without Injury to the Tree

SIMPLE, MORE EFFECTIVE AND CHEAPER THAN LIME SULPHUR.

Not an experiment.—Write for FREE sample and endorsements of leading fruit growers and entomologists who have used it for years. "Pocket Diary with Spray Calendar Free if you mention this paper."

PRICES:—50 gal. bbl. \$25.00; 30 gal. tin, \$15.00; 10 gal. can, \$6.00; 5 gal. can, \$3.25; 1 gal. can, \$1.00 f. o b. New York. One gallon makes 16 to 20 gallons spray by simply adding water. Order now; spring spraying your last chance.

B. G. PRATT COMPANY, Mfg. Chemists, Dept. B., 50 Church St., New York City

## Honor Bright !

QUEER HEADING for a nursery ad, isn't it! However, we would like to give you correct information about our stock, now in cellar ready for shipment. Give us a chance !

STD. PEARS.—Bartlett and Kieffer.

DWARF PEARS.—Duchess.

PLUMS.—Burbank and Lombard.

CHERRIES.—Large Montmorency and Richmond.

PEACHES.—Elberta, Smock, and Salway.

BLACKBERRIES.—Mesereau.

ROSES.—10,000 Strong Budded Plants.

CALIFORNIA PRIVET.—10,000 2 yr. Plants, 12 to 18 in.

THESE ARE ONLY OUR LEADERS.

W. B. COLE, Painesville, O.

## ARCADIA NURSERIES

Monticello, Fla.

Growers of General Fruit and Ornamental Trees in Quantity

High Grade PECANS our specialty

## MUSHROOM SPAWN !!!

Now is the Time to Book Orders for 1909 Stock

All Growers of Mushrooms should buy their SPAWN direct from JOHNSON'S, LTD., who are the chief makers and growers of Mushrooms in England. Their Spawn-bricks are scientifically inoculated with fine Virgin Spawn.

PRICES AND PARTICULARS ON APPLICATION

Send Nine Pence (36 cents) for our new book on Mushroom Culture.

ADDRESS ALL CORRESPONDENCE TO

JOHNSON'S, Ltd.

44 Bedford Row, LONDON, ENG.

(Mushroom Farm and Spawn Manufactory, TWYFORD ABBEY, LONDON, N. W., ENGLAND.)

When writing to Advertisers mention The National Nurseryman.



# The Lucile

## The Coming Red Market Grape

The Lucile yields as much or more than Concord, Niagara or any other well known market grape. Hardy and healthy as any grape and much more so than Niagara. A strong, robust grower and ripens its wood to the tip under a load of fruit, under which the Niagara would not ripen one-half.

The Lucile ripens between Moore's Early and Worden, just in time to pack with Diamond and Worden, an excellent trio of our national colors, red, white and blue.

The Lucile is sweet, and its quality compares favorably with that of Wyoming Red, which it also resembles in color. But its crowning glory is the size and compactness of its clusters, resembling those of Diamond and Pocklington, but are even larger. While it is an excellent market grape anywhere, it is indispensable at the extreme North where only early and extra hardy varieties succeed.

The Lucile is a good shipper and never drops its berries, but where the season is long enough it gradually dries up into raisins on the vine.

### What Others Say

Peru, Ind., April 8, 1905  
LEWIS ROESCH, Sir:—Lucile grape is doing well. The bunches are the largest of any grape I have and the vine is hardy. Yours truly,

Jacob F. Wittel.

Keremeos, B. C., Feb. 5th, '06.  
LEWIS ROESCH, Dear Sir:—I have tried the varieties mentioned "Early Daisy" and "Lucile" and find they do splendidly.

Yours respectfully, Frank Richter.

Medford, Mass., March 7, '07.  
LEWIS ROESCH, Dear Sir:—My Luciles were

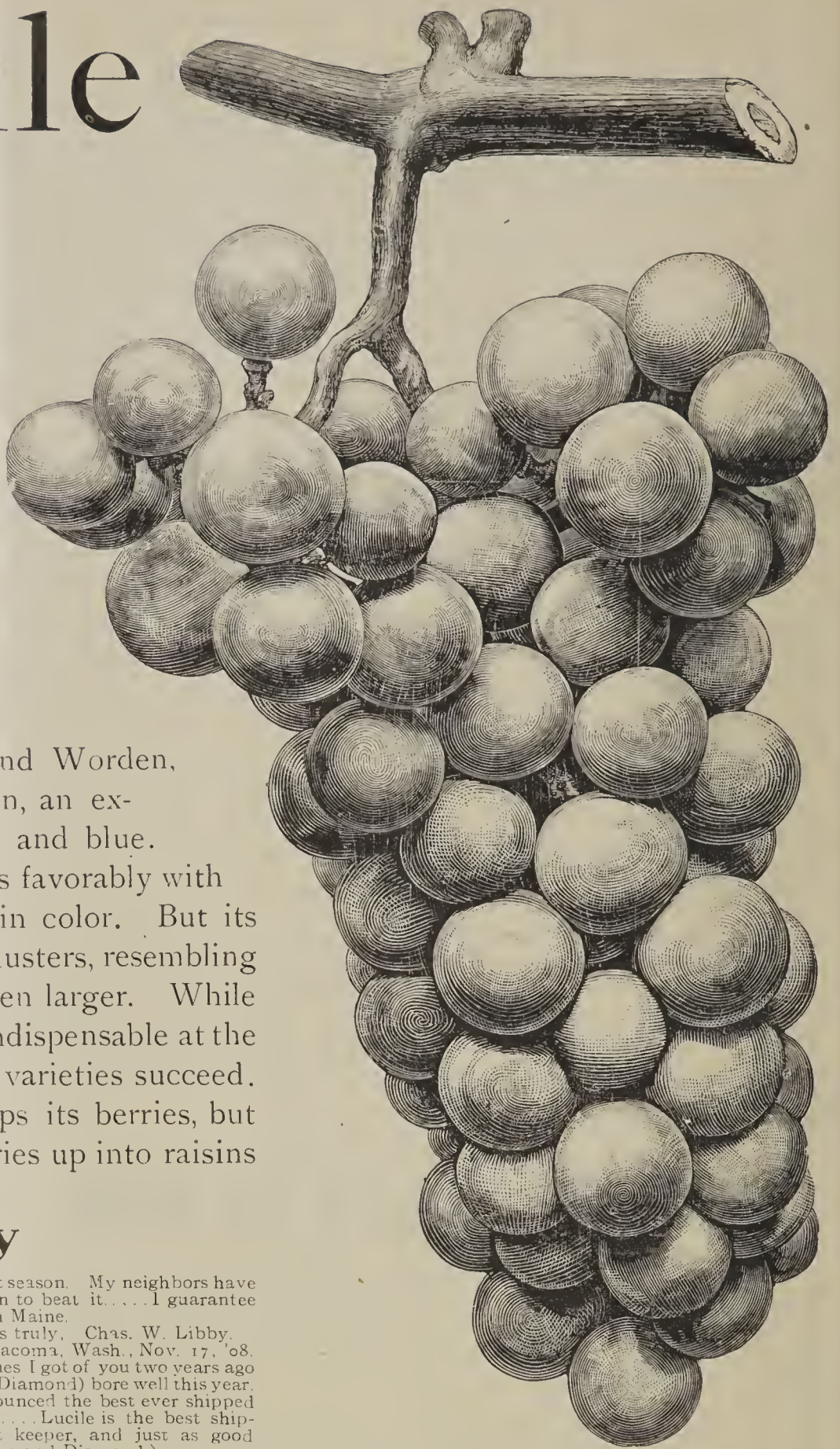
fully ripe Sept. 5, last season. My neighbors have got to get a wiggle on to beat it. . . . I guarantee the Lucile to ripen in Maine.

Yours truly, Chas. W. Libby.

Tacoma, Wash., Nov. 17, '08.

LEWIS ROESCH, Vines I got of you two years ago (Lucile, Worden and Diamond) bore well this year. The Lucile was pronounced the best ever shipped into Tacoma Market. . . . Lucile is the best shipper, best bearer, best keeper, and just as good flavor, etc. (as Worden and Diamond.)

Dr. P. B. Wing.



THE LUCILE



SPIREA VAN HOUTTE

### Surplus Stock

#### GRAPE VINES

18,000 Moore's Early 1 and 2 year.  
25,000 Worden, 1 and 2 year.

#### ORNAMENTALS

5,000 California Privet, 2 to 3, and 3 to 4 feet.  
350 Hydrangea P. G. 3 to 4 and 4 to 5 feet.  
50 Spirea, A. Waterer, 18 to 24 inches.  
185 " Billardi 4 to 5 feet.  
700 " Van Houtii 3 to 4 and 4 to 5 feet.  
150 Yucca Fil., 3 year, heavy.

Correspondence Solicited

**Lewis Roesch & Son**  
FREDONIA, N. Y.



# The National Nurseryman.

FOR GROWERS AND DEALERS IN NURSERY STOCK

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Vol. XVII.

ROCHESTER, N. Y., MARCH, 1909

No. 3

## PROGRESS IN SPRAYING STEADY AND CONTINUOUS.

### Knowledge Develops Confidence.

The year 1908, has seen a steady and probably permanent extension of the practice of controlling plant parasites by applying preventive remedies. It has seen some important tendencies more or less outlined in reference to the kind of remedy used and the method of applying it. There has been notable change also in the character of the discussions which hinge upon this subject, and are more or less animated at our fruit growers organizations. Formerly we discussed the strength of Bordeaux mixture and the proper proportion of Paris Green to be used with it. Now we are inclined to discuss combinations of sprays which will destroy sucking insects as well as act as fungicides. We no longer fear or dread the ordinary leaf-eating insect. This enemy is readily controlled.

The evidence of the year leads to an increase of confidence in our ability to successfully control San Jose Scale. While it is an unwelcome and a much-disliked pest, yet it is no longer the dread enemy that it was.

This restoration of confidence is due almost wholly to our greater faith in the efficiency of spraying methods. Specifically it may be credited to our knowledge of the killing effects of lime and sulphur and the miscible oils when properly applied for sucking insects.

Another feature of the year's work has been the use of the lime and sulphur as a summer wash and the strong indications that its range of usefulness may be greatly widened by our ability to use it in summer as well as winter. Miscible oils are also becoming more popular in their home-made as well as proprietary forms.

In the North-west, the fight of the year has not been so much against San Jose scale, as against the codling moth, and the indications are that a closer study of the habits of this insect will lead growers to find that they can control it by a single, or at most two sprayings, instead of the five or six as formerly in vogue.

The year notes the introduction of power spraying outfits in increasing numbers. These are coming more and more into general use. The kind of gasoline pump that one should buy is about as indefinite as the kind of automobile that one should purchase. Each make has its own strong advocates, and there seems to be no clearly defined and underlying principle which will guide the purchaser, other than efficiency and durability. There is perhaps a tendency on the part of some manufacturers who know little about the needs of the orchardist to put into the market engines which are poorly constructed and which in the long run will bring more dissatisfaction than anything else. The power

is an important factor in spraying. We are glad to present our readers in this issue with the latest on this important subject of the control of the parasites which attack orchard and nursery products.

### LEAF BLISTER MITE ON THE APPLE.

This insect has taken the chief place of prominence in the minds of orchardists of western New York and certain parts of New England and Pennsylvania during the past three or four years. New York Experiment Station has made a study of the best means of controlling the insect. It causes brownish blisters to appear on the under side of the apple leaf, and in severe cases brings about the early fall of the foliage.

Bulletin No. 306 of the New York State Experiment Station says that "the most susceptible time to treat this insect is during the late fall when the majority of leaves have dropped, or during the spring before the new foliage appears." It further says that orchards which are regularly sprayed with sulphur or oil emulsions are not subject to injuries by the mite. Tests with lime-sulphur and miscible oils gave satisfactory results when the application was properly made. The author, Prof. Parrott, recommends that the affected trees be sprayed with the sulphur wash as the buds are swelling and before the leaves appear, and that this be followed by the usual second and third application of Bordeaux mixture in their proper season. Such treatment will not only control the enemy, but rid the orchard of his presence.

### WHITE STAR PEAR.

The editorial office of the NATIONAL NURSERYMAN is recently in receipt of a sample of the White Star Pear being introduced by the Spring Hill Nurseries, Peter Bohlender & Sons, Tippecanoe City, Ohio. The specimen received is of medium size, regular pyriform, dull green in color; the flesh is yellowish, somewhat gritty, mildly flavored and of medium quality. As a winter pear, although lacking the size and handsome appearance of the Kieffer as grown in suitable Kieffer localities, it is an improvement on that variety in quality. The introducers say that the "original tree bore more than 28 bushels this year and is practically blight proof. It is a cross between the wine pear and the pickling pear. The original tree is over twenty-years of age and began to bear quite young." If the specimen sent us was kept in ordinary storage, as a winter variety it should have considerable value.



# THE USE OF SULPHUR WASHES ON THE FOLIAGE OF FRUIT TREES.

## Sulphur Sprays in Summer.

By P. J. PARROTT, New York State Experiment Station, Geneva, N. Y.

The introduction of the lime-sulphur wash marks a new period in the history of spraying in this State. It was only in 1902 that experiments demonstrated that this spray was adapted to our climatic conditions, and that it could be safely recommended to our fruit growers as a promising insecticide. Its extensive use at the present time is a striking demonstration of the progressive spirit of our fruit growers. There is probably no other spray that has such a cleansing effect on fruit trees or has such a wide range of usefulness in the treatment of orchards for injurious insects and plant diseases. While it is an efficient insecticide and fungicide, it is not a cure-all. With the increasing use of the sulphur wash, fruit growers should clearly understand its field of usefulness, and the conditions under which this spray may be advantageously employed.

### CHIEF USE OF WASH IS FOR TREATMENT OF DORMANT TREES.

The sulphur wash is principally employed for the treatment of the San Jose scale during the dormant season. For this purpose it is not surpassed. It is a cheap, safe and an efficient spray, and for these reasons it meets the needs of many fruit growers. It has also been shown that applications that have been made for the scale, while trees were dormant or as buds were breaking, have also proven of considerable value for other orchard pests. Experiments have demonstrated that this treatment efficiently controls the leaf blister-mite, which is now so abundant in many apple orchards in western New York. While there is a difference of opinion among entomologists as to the exact effects of the sulphur wash on the oyster-shell scale and the scurfy louse, evidence is accumulating, which tends to show that spraying with the sulphur wash for successive years during the dormant season cleans the trees of these pests. Pear growers, who have used this mixture for several years, believe that the applications have proven of some value in preventing injuries by the pear psylla. The effectiveness of this mixture for insects other than those mentioned has not been so clearly indicated. Of the utility of a sulphur spray for orchard diseases, less is known. It has proven an efficient remedy for the peach leaf curl; and spraying in early spring with a sulphur wash is now an established practice in many areas where this fruit is grown on a commercial scale. The treatment of apple trees with a sulphur wash has had some effect on apple scab, but its actual value for this and many other fruit diseases has not yet been determined. The reputation of the sulphur wash as a combined insecticide and fungicide it will be seen, has been largely based on its effectiveness against those species of insects and fungous

diseases which are amenable to winter spraying, or to treatment that is made not later than when the buds are breaking and the tips of the young leaves are making their appearance.

### SULPHUR SPRAYS FOR SUMMER TREATMENT.

The home-made wash, prepared after the common formula, cannot be used as a summer spray because of its destructiveness to the foliage. It is for this reason that treatment with this wash is restricted to the dormant season. Moreover, spraying for the scale during the summer is usually considered inadvisable because of the habits of this insect, and of the difficulty of making thorough applications on account of the interference of the foliage. But as sulphur possesses both fungicidal and insecticidal properties, it has been suggested that a weaker strength of a sulphur wash might be used, which would be safe to foliage and of some value in controlling various diseases and other insects than the scale.

### EFFORTS TO COMPOUND A SAFE SULPHUR SPRAY FOR FOLIAGE.

Many attempts have been made to devise a formula for a sulphur wash that could be safely employed for summer spraying. The first step that naturally suggested itself was to use the winter wash, much diluted with water. Experiments soon showed that preparations containing as little as one pound of sulphur and one pound of lime to fifty gallons of water were sometimes destructive to foliage and of little value for the scale. Present experience indicates that preparations of the lime-sulphur wash, by boiling, even when much diluted with water, have a very limited field of usefulness as summer sprays. With the introduction of the commercial preparations of the lime-sulphur wash, efforts were then directed to determining the utility of these sprays as substitutes for bordeaux mixture for summer applications. Special interest has been aroused in the probable use of these sprays on trees in foliage by the experiments of Prof. A. B. Cordley of the Oregon Experiment Station, who used the lime-sulphur solution at strengths of one gallon to fifteen or twenty gallons of water without injury to the leaves, and succeeded in controlling apple scab without causing spray-injury to the fruit. The promising results that attended his efforts prompted similar experiments in other States. At the Geneva Station tests were made of various commercial preparations of the lime-sulphur wash and of the home-made concentrated mixture at different strengths, varying from one gallon of the concentrated solution to twenty gallons of water, to as weak as one gallon of the solution to

*Continued on page 77.*



## TRADE CONDITIONS.

### CONNECTICUT.

Your favor of Jan. 2d, received and we beg to state that every indication is that this section of New England at least, is going to call for increased quantities of ornamental nursery stock as the general movement toward beautifying grounds both large and small is already under way. Some activity is showing itself along the line of reforesting the New England hills also some good size apple orchards are being planted. Many peach growers, however, have been discouraged with the results within the last few years. In our line of business which is largely ornamental the last year has been a most prosperous one notwithstanding the general condition of the money market.

New Haven, Conn. THE ELM CITY NURSERY CO.

Trade conditions this last year have been very satisfactory with us, with the exception of a light fall business, but our spring sales are ahead of last season. Our collections have been as good as usual and we feel that the outlook is bright for the grower of good trees, for the coming season.

Manchester, Conn. C. R. BURR.

### TRADE IN MASSACHUSETTS.

Our trade for 1908, though not as large as usual, was, on the whole, quite satisfactory. We make a speciality of a few ornamental trees and shrubs, bulbous roots, etc. We raise the Sugar Maple by the acre and generally sell to the various tree wardens and town committees for street trees, parks, etc. This trade has been considerably curtailed of late but orders came in from other quarters, often quite unexpectedly, and we disposed of most of our stock at fair prices.

West Newbury, Mass. T. C. THURLOW & Co.

I have a feeling that we are going to have a good business the coming year. Business was a little off last fall, but with the increased volume of business that is general throughout the country, we know of no reason why the nursery business should not come along with everything else. We believe that such will be the case.

North Abington, Mass. W. H. WYMAN,

### TRADE IN ORNAMENTALS STRONG.

Trade with us the past fall has been very good in the ornamental line. Fruit trees, however, have not been in as good demand as could be desired. This is due more to the poor fruit crop throughout this section. Indications for spring trade, are very good, and we hope to do our usual amount of business.

Nursery, Mo. F. A. WEBER & SONS NURSERY CO.

### AVERAGE OUTLOOK IN KANSAS.

In regard to trade conditions for the coming season, we have had here this year one of the unfavorable crop seasons that sometimes comes to us in this part of the country. We had a light crop of corn and the price is unusually high. We had an abundant crop of hay and the price is rather low. In general, trade prospects I should call rather moderate. Stocks or trees I think are all rather light. Apple trees especially are very scarce and the price out of reach. Our retail trade is doing moderately well and we hope to clean up what we have this spring in fairly good shape. The plant of apple we made last year was a fair success. The plant of peach we made was quite poor. The crop of apple and peach we dug last fall were both very light. All around I should estimate prospects for next spring in the way of trade as fair and for the year to come as hopeful for improvement.

Topeka, Kan.

A. WILLIS.

### NORTHWEST PACIFIC PROSPEROUS.

I may say that there never has been a time since we have been doing business on the Pacific Coast that there has been such a demand for nursery stock as there is at the present time. All over the entire Pacific Northwest there seems to be a boom in land to be planted in orchards, which is probably responsible for the unusual demand this past year. We do not know of a single line of nursery stock that is being held in surplus at this time on the Pacific Coast. We, ourselves, have been compelled to turn down orders for thousands of trees of the commercial varieties.

The outlook for next year's business is very hopeful. Personally, I am of the opinion that this great increase in the sale of nursery stock will drop off very suddenly when the sale of lands that are being subdivided and sold to non-residents stops, which condition will undoubtedly come about within the next year or two.

At the present time, the whole United States seems to have its eyes on the Pacific Coast with a view of becoming interested in some one or other of the orchard projects that are being developed out here, and so long as this condition lasts, sales for nursery stock will be in excess of the actual supply.

Oregon Nursery, Salem.

M. McDONALD.

### MIAMI VALLEY NURSERYMEN MEET.

The Miami Valley Nurserymen's Association held their annual meeting and banquet at the Phillips House, Dayton, Ohio, Feb. 18, 1909. A business meeting was held in the afternoon, at which the old officers were re-elected and an informal conference held over trade conditions and prospects.

Promptly at six o'clock the banquet hall was thrown open and the nurserymen and their wives and friends sought

*Continued on page 85.*



## TARIFF REVISION.

In regard to the Tariff Revision in relation to nursery stock, I can see no objection to the plan of the Tariff Committee as presented in the NATIONAL NURSERYMAN for December; neither can I see why it would not be fair for the nurserymen of the whole country. We certainly should prefer home grown seedlings, if we can get them as low as they can be imported, and it appears to me that no European Nurseryman can grow evergreen and other seedlings and sell them in this country as cheap as some of our enterprising western nurserymen are doing.

I fully agree with the Committee that on stock of a larger growth than seedlings (especially from Holland), there should be paid a larger duty, as such stock is doing a great injury to the people of this country.

Every year, soon after the spring sales, we nurserymen of the Eastern States are beset with a lot of agents from Holland (especially from Boskoop), who urge us to buy, often on private terms and after they have sold all they can to nurserymen, put the rest into auction rooms, where the stock is extensively advertised and sold at some price. Every spring and fall the auctions are held in Boston, (and I suppose they are in other cities) for several weeks, when roses, magnolias, rhododendrons, and fancy evergreens are sold to unsuspecting buyers because they look so much "fresher" and of brighter color than those grown in home nurseries. I hope this part of the tariff will be revised for it is working a great injury to the inexperienced buyers.

T. C. THURLOW.

### VIEWS OF A KANSAN.

In regard to my views on tariff revision in relation to Nursery stock: My idea on the tariff question generally is that some sort of tariff policy should be adopted and adhered to with as little change, or disturbance as possible. If I could have my way I would make a tariff for revenue with incidental protection for whatever plan is adopted. The expenses of government must be met and when some policy for getting them is adopted my idea is that this policy should be continued with as little change as possible because business will adapt itself to any particular condition and so long as those conditions continue, business men can calculate on prospects for time to come with reasonable safety while if change is to rule everything becomes unsettled and uncertain and men are afraid to try in any way to better their condition. So far as the tariff relates to nursery stock, the present schedule of tariff has been in force now for some years. The trade understands it and hence is in better condition to meet the demands that are made on present tariff bases than it would be to meet any considerable change in any direction, so I would say if any change is to be made, make it as little as possible and continue along the present lines as far as we can. I do not believe the present tariff on nursery stock is so high as to foster any serious monopolies and I do not believe its utter repeal would work especially serious injury to our business, for when the low value of the stock under consideration is considered and transportation and other charges are met

for stock imported from abroad, it will be seen that these charges afford a very considerable protection for American growers if no tariff is imposed at all, so I believe that for our people the best thing is to continue present tariff rates as nearly as practicable.

Topeka, Kans.

A. WILLIS.

Relative to tariff revision, there should be a change and we are in hearty support of the bills embodying the resolutions presented at Washington by our tariff committee, and hope they may be carried through the House.

Connecticut.

C. R. BURR.

I am inclined to think that the present rate is about as well as it can be fixed. Sometimes I am almost a free trader, but I do not think that would do at the present stage of the game. The old established nurseries of Europe with their cheap help would simply drive us out of business if their goods were to come here free of charge. As for suggestions for the coming convention to be held at Rochester I have none to make.

North Abington, Mass.

W. H. WYMAN.

### *The Use of Sulphur Washes.—Continued from p. 74.*

fifty gallons of water. All the applications caused injuries to the foliage of apples, pears and peaches, the damages generally increasing with the strength of the preparations. Mixtures that were much diluted with water proved of very little value as summer sprays for the scale. Our experience with the concentrated preparations of the lime-sulphur wash indicates that more knowledge is needed on the range of usefulness and safety of these mixtures for the treatment of trees in foliage, before fruit growers should undertake extensive spraying operations with them.

### SELF-BOILED SULPHUR WASH.

A promising sulphur spray for summer applications is the self-boiled lime-sulphur wash, which was originated by Mr. W. M. Scott of the U. S. Bureau of Plant Industry. This was tested by the Geneva Station during 1908 on sweet cherries, peaches and apples. In these experiments no injuries attended any of the applications. The amount of brown rot on sweet cherries was reduced, but the fruit was considerably spotted with lime, which was very conspicuous even up to the time of picking. The wash also proved of some value as a preventive of apple scab. Single applications did not check considerable breeding of the San Jose scale, and probably two or three applications would be required to get marked results on this pest. A number of fruit growers have reported that spraying of peaches with this mixture has greatly reduced the amount of mildew and scab. Others have observed quite a little burning of peach foliage by this new spray. As there is some danger of orchardists injuring the leaves the wash should be used largely experimentally; and it would also be worth while to test the mixture at weaker strengths than have been recommended.



## Correspondence.

### INTER-STATE REQUIREMENTS.

Dear Sir:

If there is any one trade that has more perplexities and burning questions to solve than another it is the nursery business. Take the matter of permits to ship goods across state lines alone is enough to drive one wild. Here we have some 48 states and territories to deal with, nearly each one of which issues a different permit and imposes different obligations. To the credit of Canada be it said that she has but one law for all its provinces and that a very easy one for our nurseries to comply with, while at the same time it is a very effective and safe one for our customers across the line. All we have to do is to ship their stock via certain specified ports of entry and there the stock is fumigated in government fumigators and by government experts, an arrangement at once simple and easy to comply with and probably more effective in keeping out diseases and noxious insects than any of our numerous state laws.

### SORGHUM AND BALING MATERIAL.

Another question, which by the way, we have solved to our entire satisfaction, is the matter of material for baling trees. Some years ago everybody used long flail thrashed rye straw. Then it was easy to get and cheap. We have bought it as low as \$10.00 per ton. But now there is much less rye grown than formerly and farmers willing to thrash by hand are fewer yet. Next we raised the rye or had it grown for us and cut when in milk. This makes a very satisfactory article but rather expensive. At Rochester, N. Y., and vicinity they use flagg that grows wild in swamps. It can be had dried and ready for use for about \$20.00 per ton. This with freight added makes it pretty expensive also. Some four years ago our supply of baling straw failed before the season was over and as we had nothing better at hand than cornstalks we used them. It will do for a make shift but is not very satisfactory. At that time one of our workmen suggested "sorghum" saying that it grows as tall as any corn and the stalks are much finer. That following season we grew an acre of it, some got as tall as 11 feet. We had a big crop and turned out entirely satisfactory in every way. The length and fineness of growth wanted can be easily regulated. In case you want it fine and not too long sow thick. If very long then fertilize well and sow thin. Like corn it likes a warm soil. Sow in drills 28 to 36 inches apart so you can cultivate it. It starts slowly and needs a hoeing while young, but after awhile it grows very rapidly and soon covers the ground and smothers any weeds that may have started. We cut it with a horse corn cutter that ties it up in small bundles which are left on the ground to dry for a few days, then set up in small shocks. Late in the fall we drive posts in the ground and set the bundles around them in large shocks and tie them on thoroughly. Here they are left all winter and drawn in when wanted in the spring. Or they can be housed during the winter but the bundles must be stood up on their butts else they will heat. So far we have not hit on a good and cheap way of saving the seed, hence we only save enough for our own use which

we scrape off with a hoe on a board. If somebody knows of a better way we would like to know what it is.

LEWIS ROESCH.

### FIGHTING THE CODLING MOTH.

The Codling Moth and the San Jose scale run a close race in the contest for supremacy as worst fruit pests in the United States. The codling moth is in all places where the apple is grown. The San Jose scale is limited in its Northern march practically to the region of successful peach culture.

A. L. Quaintance of the United States Department of Agriculture has an interesting article in the annual Year Book on the control of the codling moth. He says "It is best controlled by the use of arsenical insecticides sprayed on the trees. In regions where fungicides are unnecessary the arsenite is applied in water and of the arsenites recommended Paris green, arsenate of lead and arsenite of lime hold prominent places."

There has been a good deal of complaint in recent seasons in regard to the effect of arsenate of lead on both tree and fruit, especially when used in combination with Bordeaux mixture. This is probably due to the fact that the arsenate contains salt and other by products and probably some free arsenic. Orchardists should be very careful in purchasing the material to secure from the seller a guaranteed analysis showing the exact amount of each ingredient.

Application: The first application should be made as soon as the petals or blossoms have fallen. The object of this is to place in the basin of the apple, around the eye, a dose of poison to be eaten by the larva when it is making an entrance into the fruit. In most regions this is the most important application. It is made when the apples are still pointing their eyes upward. At this time the fruit should be very thoroughly covered with the spray, and if the covering is complete nearly all the first brood larvæ will be destroyed.

Second spraying: This is ordinarily applied three to four weeks after the fall of the blossoms. At this time it is very desirable that all parts of the foliage should be covered, for it has been found that the eggs are occasionally scattered over twigs and leaves and that the larvæ eat more or less indiscriminately until they reach the fruit. In the case of more or less isolated orchards it is probable that two complete sprayings will give reasonable protection, especially in the East. In the West, however, where the season is longer and conditions more favorable for the development of the later broods, subsequent sprayings are required. A third spraying should be made nine to ten weeks after the falling of the petals and a fourth application where the enemy is specially active may be made two or three weeks after the third. In Oregon a fifth application is made two or three weeks after the fourth.

### WORDS OF APPRECIATION FROM A VETERAN IN THE BUSINESS.

Enclosed please find \$2.00 for the NATIONAL NURSERYMAN for two years. I consider it so valuable a paper that I always look up and read back numbers when I have been away for the winter.

Success to the NATIONAL NURSERYMAN!

Yours very truly, T. C. THURLOW.



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## WORK OF THE TARIFF COMMITTEE.

Our December and January issues have a report of the work of the Tariff Committee. This committee taking advantage of the invitation presented by the Ways and Means Committee of the House of Representatives, drew up a statement embodying desired changes in the tariff and presented it on the 18th of November. The regular committee of the American Association was supported by a delegation from the Pennsylvania Nurserymen's Association, and a strong presentation of the tariff needs of nurserymen of the country was made by Mr. Pitkin, in the absence of Chairman Rouse.

The schedule offered presents a number of important changes and it is now the duty and privilege of nurserymen affected to express their views to the members of this committee and urge any modification of the proposed schedule that seems desirable. The whole matter has been very carefully weighed by the committee in charge and it is probable that in its present form it embodies in the most desirable way possible the needs of the nursery interests of the country. However, opinions favorable or adverse should be filed promptly with the chairman of the tariff committee so that in the event of a new schedule being adopted in whole or in part no aftermath of regrets should be forthcoming. Register approval or kicks without delay.

## HIGH GRADE NURSERY STOCK.

A letter from a prominent firm of retail nurserymen in the Middle West calls attention to the serious competition which they as retailers have with the very firms from which they buy their stock. This firm says that wholesalers are frequently in the habit of sending to large planters, to superintendents of parks and cemeteries, price lists at rates equal to those which they offer to the retailer himself; that in this way the local man is being cut out of business, and the writer contends that if the retailer is to remain in business he must be protected by the firms with which he deals.

This writer also says that the only way to meet this competition is to stock up with as cheap a grade of goods as possible, and then to offer this at a price somewhat lower than the wholesaler is offering. But, he observes, in doing business "in this cut-throat way we do not get very much out of it other than moving a surplus."

It would seem that here is an opportunity for the large grower and the retailer to get together and come to an understanding on the question of prices. An understanding of this kind will work to the benefit of all concerned.

One of the principal efforts of the horticulturist is to study the finer adaptations of fruits to soils and localities. Undoubtedly the greatest successes of the future will come to those who have most nearly solved these problems of adaptation. The energies of the stations and a few interested fruit growers are being directed towards the solution of this many sided problem. Comparatively little real progress has been made thus far. Our knowledge of the adaptation of varieties to the varying soils and conditions is in a fragmentary state.

## A VALUABLE BULLETIN.



It is pleasing to note, however, that indications of substantial progress are appearing. Such indication comes to our desk in the form of a bulletin by H. P. Gould, Pomologist in charge of Fruit District Investigation in the Bureau of Plant Industry, Washington. This is Bulletin No. 135. It comprises a list of the orchard fruits of the Piedmont and Blue Ridge regions of Virginia and the South Atlantic states. The pamphlet includes a description of soils of the region, the climate and the variety grown. The grower of that region will find valuable information in reference to the varieties and the different classes of fruits which are most likely to succeed.

#### **BROWN TAIL MOTH.**

We announced in our last issue that the Brown Tail moth, an enemy which has been causing damage to fruit and forest trees in eastern New England for a number of years, has been found in several importations of French apple stocks by New York nurserymen. The discovery of this pest is due to the watchfulness of the nurserymen, who immediately referred the unknown insect to official entomologists. The fact that these importations were found by New York nurserymen is not a suggestion that New York state is the only region which received them, but is rather a tribute to the vigilance of the discoverers. In fact, it has been found elsewhere.

Most of the apple and pear stock comes into the country at or about holiday season. It is widely distributed.

Brown Tail Moth was first found in three consignments to different nurserymen in the Empire state. It is highly improbable that all the insects brought in were confined to these three particular importations. Nurserymen, therefore, are reminded that they should be on the look-out for the enemy. We published last month a description of the insect and an outline of its life history and habits. Forewarned is forearmed. Examine your fruit stocks clean and thoroughly. Burn all packing material. Take no chances. We have enough enemies now to contend with, and prevention is much better than cure. We are indebted to Prof. M. V. Slingerland and Dr. E. P. Felt for photographs used in illustrating last month's article. We are also indebted to Professors Parrott, Gillette and Symons for exceedingly instructive articles in the present issue on the more general aspects of insect control.

#### **AMERICAN GRAPE CULTURE.**

The story of the evolution of the American grape is one of the most interesting in the whole history of fruit growing in America. The grape was the first fruit which attracted the attention of the pioneers, on their arrival in the New World. The grape is the fruit which has been most profoundly modified by the influence of the cultivator. Because of the great range of native species, there has been unusual opportunity for the making of new combinations. Added to the native species the European form has played an important part in the improvement of our garden and vineyard varieties.

Each region has had its noted worker. In the east the list of noted hybridists is long and honorable. In the southwest we have among the workers of today a man who has made grape growing possible and even profitable where a quarter of a century ago nothing but the native grape

prevailed. Prof. T. V. Munson, of Denison, Texas, has done a grand work in developing a race of grapes suitable to the great variety of soil and climate found in the vast stretches of Texas land.

It is most interesting to note that Mr. Munson has brought together in attractive form his experiences and knowledge of grapes, gathered as a grape botanist, a vineyardist and hybridist. He has collated from the day book of experience and now has prepared for publication a volume which is certain to be replete with fact, suggestion and inspiration. This book is to be of good size and well illustrated, with full page engravings. Work of this kind is rarely a profitable publishing enterprise. Mr. Munson has found difficulty in securing a publisher to take hold of it, and has decided to publish privately a limited subscription edition. This will be issued at the rate of \$3.00 per volume. Those who desire to secure a copy of this first edition, which will be limited to one thousand copies, should write to the author.

#### **COLORADO'S INSPECTION LAW.**

##### **ORCHARD INTERESTS TO BE THOROUGHLY PROTECTED.**

The writer has received so many inquiries from nurserymen who wish to know the exact requirements of Colorado's new inspection law, it is possible that a short article upon the subject may be of interest at this time.

First let me explain that Colorado, along with a few other states in the Rocky Mountain region, occupies a somewhat unique position. Our orchard sections have gained an enviable reputation for the production of the choicest fruits, that are highly colored, of excellent flavor and, perhaps most important of all, remarkably free from the unsightly blemishes due to fungous diseases and insect pests. Our orchardists are able to put clean, perfect, attractive fruit upon the market and sell it at high prices, chiefly for two reasons. First, there is no place in the world where better care is taken of the orchards or more thorough and intelligent spraying done to keep down insect pests, and, second, many of the worst orchard pests, both of insects and diseases, we do not yet have to contend with.

For example, the following enemies and handicaps to fruit growing are not yet known in Colorado: San Jose Scale, White Peach Scale, Plum Curculio, Apple Curculio, shot-hole Bark Borer, Round-headed Apple Borer, Railroad worm, Gipsy Moth, Brown-tail Moth, Canker Worm, Apple Scab, Bitter Rot, Peach Yellows and Little Peach (lucky Colorado—Ed.) Many other pests and diseases of more or less importance known to other sections might also be added. Some troubles that we do have, such as Crown Gall, Peach Mildew, Black Peach Aphis, Black Cherry Aphis, Peach Borer, Flat-headed Borer, Oyster-shell Scale, etc., only occur in very limited localities and are being kept well in hand.

None of the pests or diseases mentioned can be originated in the orchards. We can get them only by having them brought in from localities where they already occur, and about the only way these troubles can come to us is upon nursery stock.

In the control of orchard pests, as in the control of diseases that attack the human race, an ounce of prevention is worth many pounds of cure. It is said that the Brown-



tail Moth was brought into Massachusetts upon a package of rose bushes; the Gipsy Moth was imported by an enthusiast in silk culture; the English sparrow and the Russian thistle nuisances of this country, the rabbit nuisance of Australia, and in fact almost every weed, insect, pest, or plant disease that one can think of as a drawback to successful gardening, farming, or fruit culture, has been imported from some other part of the country, or a foreign land. For the above reasons quarantine and inspection laws are necessary.

The Colorado law requires of all nurseries or persons shipping nursery stock into the state to observe the following regulations:

First—All shipments must be accompanied with certificates of inspection in the state from which they are sent out.

Second—The nursery or party shipping must place upon each package a guarantee that the contents of the package has been fumigated for forty minutes with hydrocyanic acid gas of a definite strength:

All stock bearing the above certificate will be received without fumigation at point of delivery, provided no living insects, such as woolly aphis for example, are found upon the nursery stock. All stock will be inspected however for crown gall, borers, scale insects, woolly aphis, and other pests that might have escaped the notice of a careless shipper. If nursery stock is shipped to any county in the state without fumigation, the inspector of the county may, if he so chooses, receive the stock and fumigate it before turning it over to purchasers.

Nurseries within the state are required to erect and maintain fumigating houses, to fumigate all stock before it leaves their premises, and to have their nurseries and premises inspected at least once a year. A certificate of inspection must also accompany each and every package of nursery stock sent out.

We do not intend to be unreasonably severe with nurseries shipping stock into Colorado, but we do intend to enforce the law for the reasonable protection of our fruit growing interests. Nurserymen who cannot fully comply with our law, are respectfully requested to refrain from shipping any of their stock into the state.

State Entomologist.

C. P. GILLETTE.

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## Legislation.

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ALBANY, N. Y., January 9, 1909.

Nests of brown-tail moths have been found in stocks and seedlings recently received in this state from France.

All nurserymen and other persons who have received trees or plants from abroad since November 1, 1908, or expect to receive such shipments prior to June 1, 1909, are directed to notify this Department and hereafter to hold cases unpacked until an inspector can be sent from this Department to examine the stock as opened.

Nursery stock and seedlings received from abroad since November 1, and which have been unpacked shall not be further distributed until inspected under the direction of this Department; and nurserymen and others having knowledge of such receipts and distribution are requested to report fully to this Office.

Brown-tail moths are not known to be established in this state; it therefore, is important that every possible precaution be taken against them to prevent enormous losses from their depredations and great expense for future control. We ask your cooperation.

R. A. PEARSON, Commissioner.

## PRESENT DAY METHODS OF CONTROLLING THE SAN JOSE SCALE.

THOS. B. SYMONS.

Entomologist Maryland Experiment Station.

While it has been stated that the San Jose scale will soon run itself out and that in the near future there will be no urgent need of treating orchard trees especially for this pest, it is safe to say, that time or condition of the pest, in East at least, is still a "pipe" dream of the optimist. On the contrary, it is even reported from several sources that the San Jose scale bred more abundantly during last summer than in previous years. It therefore remains a pest to orchard trees that the orchardist and nursery men must reckon with each succeeding year.

### CONTROL IN THE ORCHARD AND NURSERY.

It can be stated with assurance that the progressive orchardists have no longer any serious fear of loss of trees from this pest, as they have demonstrated that it can be effectively controlled by the thorough application of proper remedies at the proper times. The time has been when orchard trees found infested with the pest were immediately destroyed, but an intelligent grower would not now think of cutting a tree out of the orchard on this account. Orchardists appreciate the demand of the market for good, clean fruit, and have learned by experience that the broker and the consumer are willing to pay a higher price for the best quality of fruit; therefore, spraying for this and other pests is considered by the up-to-date grower as routine work. The most important problems in controlling the scale in the orchard at present are therefore questions of the most efficient, economical and easily applied solutions; and the most convenient spraying apparatus that may be employed. These questions will be considered later on in this discussion.

### NURSERY CONTROL

The control of this pest in the nursery is of necessity quite different from means employed in the orchard. The practical difference, however, being in additional work and precautionary treatment. A nurseryman is not supposed, to sell a tree that is infested with scale, for in the contract between the nurseryman and grower, the latter agrees to pay the price asked for clean, healthy stock. Therefore, when the San Jose scale is present in the nursery, prompt measures should be employed to prevent its spread.

The nursery stock should be gone over carefully, row by row, and the infested trees dug up at once and destroyed. This work should commence in the spring and continue as required during the summer, for one infested tree in a block in the spring will serve to infest thousands of trees in that and adjoining blocks if allowed to remain throughout the summer. Therefore, what is known in nursery parlance as "chasing" scale in the nursery rows by "keen eyes" is often necessary work. After going over an infested block in this manner the trunks of the trees should be then treated with whale oil soap, using two pounds to the gallon of water. This will not only serve to kill any scale in the trees that escaped the "chaser's" eye, but it is otherwise a good treatment for the trees, as it cleans the bark, thereby improving the general appearance of the stock.



## FUMIGATING.

The practice of fumigating all seedling stock, buds, grafts or cuttings used for propagation purposes, (either from outside sources or from one's own nursery) with hydrocyanic gas can not be too strongly recommended. Recent experiments have demonstrated that this gas will not injure peach buds during the budding season when properly used even at the normal strength recommended for fumigating nursery trees.

Spraying for this pest regularly during the dormant season should be practiced by nurserymen even if the scale has not been found in the nursery. It is a good preventative, and also serves to add vigor to the trees. To those nurserymen who have not yet met the worst insect pest of the nursery, it is urgently recommended that they be steadily on their guard for its first appearance, and no pains be spared in taking every precaution in the fumigation of all propagating stock, in spraying with proper solutions and in employing up-to-date methods in the conduct of the nursery. To those nurserymen who have experienced losses from the presence of this pest in their nurseries, it can only be recommended that they continue the vigorous precautions and methods followed in the past.

## SPRAY MIXTURES.

The subject of paramount interest among growers now is the efficiency and safeness of the remedies on the market for the control of the San Jose scale. There is no doubt that the home made lime-sulphur wash is generally accepted by the progressive orchardists and nurserymen as the best remedy for the scale, taking into consideration its fungicidal properties and effect upon the trees; but the trouble and time involved in making the wash has led many to desire reliable information regarding various other washes on the market.

Heretofore, the majority of the proprietary solutions offered for sale to control this pest have been mixtures of petroleum oils, soap, resin, etc. There is no doubt that some of these now on the market are of great value in controlling the pest when used at sufficient strength and applied in a careful manner. The ease of preparing and applying these miscible oils has caused their substitution for the home made lime-sulphur wash by many growers. On the other hand, the lack of fungicidal properties and the possible injury to trees when applied by careless laborers, together with frequent changes in the make up of the solution by some manufacturers, has prevented their acceptance by the most careful growers. Emphasis can justly be laid upon the possible injury to trees by some of these solutions from reports of the results of their use during the past year in Maryland, and we have received similar reports from other states. The writer has investigated several of the reports of injury to peaches in Maryland and found them to be reliable. These experiences, then, should serve as a further warning to orchardists to be on their guard in the use of spray mixtures of this type, for peach trees in particular, as well as for other kinds of trees.

## PROPRIETARY LIME-SULPHUR MIXTURE.

Manufacturers appreciating the demand for a lime-sulphur wash which can be sold ready for use, have placed

on the market several brands of concentrated lime-sulphur compounds. Three of these solutions, viz., the "Rex," "Niagara" and "Orchard" brands, were included in the experiments conducted by the Maryland Station (see Maryland Experiment Station Bulletin 131, which may be had for the asking) during the season of 1908. At the dilution of one to nine, each gave good results in killing the scale, and no leaf curl appeared on peach trees in the experiment where this character of spray was used. However, while we expect these solutions to control this disease when applied at the proper time, yet further experimentation is necessary to clear the question. Finally, while we consider the home-made lime-sulphur to be the very best spray solution for the control of San Jose scale, where circumstances are convenient for its use, yet if it is desired to use a more easily prepared wash, the concentrated lime-sulphur solutions referred to above, for we have not tried the others, seem to offer the best substitute of the manufactured products on the market.

## TIME OF APPLICATION.

The lime-sulphur and the miscible or soluble oils which are in a dormant state when used to control the San Jose scale are suitable only for treatment of trees. In case of the lime-sulphur compounds, it has been shown that where only one application is made, the treatment should be deferred until as late in the spring as possible, just before the buds begin to develop, owing to the fact that the effectiveness of the wash depends to a great extent upon its presence on the trees after the breeding season begins. In cases of bad infestation, it is best to give the trees two treatments, one in the fall and the other in early spring. It has also been necessary for the commercial orchardists to commence spraying even in suitable weather in the midst of winter, in order to finish before the trees become active. Other circumstances will some times make necessary the treating of the orchard in the fall, but in such cases the spraying should be left as late as possible.

## SPRAYING APPARATUS.

The employment of towers on the wagons carrying the spraying machines, on which the spraymen stand, are aiding in the accomplishment of this desired end. "What is the best pump to buy?" As a matter of fact, there is no "best" pump on the market. The conditions under which spraying is done are so varied that each individual will have to select that which his judgment dictates is the best adapted to his needs. He should, however, thoroughly investigate the capacity and working parts of a spray pump or machine before purchasing. There are a number of power sprayers on the market, and it is quite debatable as to which is the most satisfactory. There is no doubt that the "row sprayers," where the power is secured through connections with the wheels, are the most economical and satisfactory rigs for spraying field and truck crops. Manufacturers guarantee the same character of power sprayers to give satisfaction for spraying large orchard trees but the writer has not had an opportunity to observe any of the very latest sprayers of this kind in practical operation where large trees were completely sprayed before moving, and therefore is not pre-

*Continued on page 83.*



## Transportation.

### SPECIAL TRANSPORTATION REPORT.

Mr. Chas. Sizemore, Traffic Manager, for Stark Bros., Louisiana, Mo., and the writer replacing the chairman, Mr. P. H. Stannard now in the Kansas Legislature, were present and represented the American Association of Nurserymen at the meeting of the Western Classification Co. Meeting which convened at Mobile, Ala., Jan. 13th. There were over 500 items on the docket and we were the last on the list to appear before the Committee, did not get a hearing until the afternoon of the 20th. The item as it appeared on the docket was the Revision of the Valuation of Nursery Stock.

A few days before starting for Mobile the writer sent out a circular letter to about 20 of the leading western nurserymen asking them to send me at Mobile the weights and invoice value of all cars handled the past season also a number of Box shipments. The time being so short only about one-third this number responded, however, this enabled us to make up a list of 450 cars and 200 boxes showing that the average Invoice value was only \$4.91 per 100 lbs. We, therefore, decided that the proper thing to do was to ask that the Release Clause and Invoice Value be eliminated from the Classification and that Nursery Stock be allowed to stand 3d class L. C. L. and Class B CL.

We put in 11 days from the time we left St. Louis interviewing each member of the Committee personally and found that more than three-fourths were in favor of granting our petition.

On the 23d of January, we received telegrams stating that the Committee had recommended the elimination of the valuation clause which virtually means that our proposition has carried and will likely be provided for in the next Classification and will likely go into effect April 1st. or possibly March 1st.

This will mean that Nursery Stock will be shipped the same as other Merchandise and in case of loss or damage in transit Nurserymen will be able to collect full invoice value. However, I would advise Nurserymen in presenting claims to keep them as low as practicable and as few as possible as the small number of claims in proportion to the volume of business had much to do with our being able to secure favorable action.

### SOUTHERN CLASSIFICATION.

This same topic will likely come up at the next meeting of the Southern Classification which meets at Mobile, March 8.

Nursery Stock being released in Southern Territory at three cts. per lb. value which according to Inter State Commerce ruling is not legal where release is less than Invoice Value. It is therefore important that the Southern Nurserymen decide on what changes they wish so that this matter can be properly presented to the Committee.

W. C. REED, Member Transportation Com.

### THE DECISION.

Mr. W. C. Reed, Chicago, Ill., Feb. 18, 1909.

Vincennes Nurseries, Vincennes, Ind.

Dear Sir: We take pleasure in advising you that at

our recent meeting the committee eliminated the valuation requirements on shipments of nursery stock and cancelled also the higher ratings now shown in the classification for shipments not made subject to limited valuation.

The change in rating is included in supplement 8 to the Western Classification No. 45 and will be effective March 25, the earliest date on which, under the rules of the Commission, the change could be made.

Yours truly, F. O. BECKER,  
Chairman Western Classification Comm.

### NEBRASKANS ACTIVE.

The nurseryman of Nebraska, headed by Messrs. Peter Youngers of Geneva, W. A. Harrison of York, and Harvey Marshall of Arlington, recently appeared before the railway commission of that state, and asked for the following changes in the freight schedules:

First—We respectfully request that a 20 per cent reduction be made in joint rates where goods are shipped over two or more lines, the same as now in effect in the state of Iowa.

Second—We request that the following items on page 118, at No. 56, Osage orange seed, worth about \$3.50 per bushel, now reading first class, should be placed in third class, along with alfalfa and seeds not otherwise specified.

Third—On page 96, Nos. 49, 50 and 51, buckeyes and butternuts, worth about \$1 per 100 pounds, and walnuts, worth about 60 cents per 100 pounds, are placed as second class, which should read fourth class, the same as peach stones.

We further request that your honorable body eliminate the words in item No. 55 on page 95 "invoice value, not exceeding \$5 per 100 pounds" and items No. 25 to No. 45 inclusive, on page 96, which is eliminated by the railroads in their official classification.

### REGULATIONS GOVERNING IMPORTATION OF NURSERY STOCK INTO CANADA.

Nursery stock may be imported into Canada if fumigated at the following customs ports during the period under-mentioned, viz.: At St. Johns, New Brunswick; St. Johns, Quebec; Niagara Falls, Ontario; Windsor, Ontario; Winnipeg, Manitoba, from March 15th to May 15th in the spring, and from October 7th to December 7th in the autumn. In the case of Ontario and Quebec, the autumn season has recently been advanced to take effect beginning Sept. 26.

In British Columbia importations are received during the winter months only from the first of October to the first of May.

All packages to enter Canada must be addressed so as to enter at one of the above-named ports of entry, and the regulations further say that the route by which they will be shipped must be clearly stated on each package.

### CORRECTING THE MAILING LIST.

#### A GOOD SUGGESTION.

It appears to us that during these winter months, nurserymen and florists would do well to look over and correct their mailing lists. For instance—Cherry Hill Nurseries and T. C. Thurlow & Co., are one and the same. Our nursery was named over sixty years ago and has always kept the name, and there is no other nursery in this town; yet we often receive duplicate catalogues by same mail directed differently and no doubt expected to reach different firms. Again, we are nurserymen and deal wholly in hardy trees and plants; we have no use for seeds, green-house stuff, etc., as we never handle them; yet we are flooded with catalogues of these every season, some of the large seed growers of Europe sending us their wholesale catalogues every year. We are willing to receive them but it adds to the expense and we think it is rather a waste of ammunition.

West Newbury, Mass.

T. C. THURLOW & Co.



## Quiz Column.

Please give me tariff on plants, nursery stocks, imported from Japan.  
INQUIRER, FLORIDA.

### ABSTRACT OF TARIFF ON NURSERY STOCK.

Stocks, cuttings or seedlings of Myrobalan plum, Mahaleb or Mazzard cherry, three years old or less, fifty cents per thousand plants and fifteen per centum *ad valorem*; stocks, cuttings or seedlings of Pear, Apple, Quince and St. Julien plum, three years old or less. Evergreen seedlings, (trees grown from seed only) one dollar per thousand plants and fifteen per centum *ad valorem*; rose plants, budded, grafted, or grown on their own roots, two and one-half cents each; stocks, cuttings and seedlings of all fruits and ornamental trees, deciduous and evergreen, shrubs and vines, manetti, multiflora, and brier rose, and all trees, shrubs, plants and vines commonly known as nursery or greenhouse stock, not especially provided for in this Act, twenty-five per centum *ad valorem*.

\*Any stock imported for use in the United States Botanic Garden or Department of Agriculture is admitted duty free.

### REGULATIONS COVERING SHIPMENT OF TREES TO ENGLAND.

A subscriber asks if there are any special regulations governing the shipment of nursery stock to England.

Ans: This inquiry has been answered by Messrs. J. McHutchinson & Co., who after investigating it thoroughly find that no requirements of a statutory character are in force. England is, of course, a free trade country, and all goods come in without tariff charges, and so far as we are aware no other restrictions are enforced.

Editor National Nurseryman, Rochester, N. Y.

Dear Sir:

We desire to construct a storage cellar for winter storage of our dug stock, can you give us any information as to best method of construction? The place where we desire to build is a side hill of clay soil; the North and West sides would be about eight feet in ground, south and east open. We have thought of using continuous air space cement blocks in construction do you consider them suitable? Clay soil is apt to be more or less damp, of course; do you consider it a suitable location for a cellar, and should we tile the bottom of it or take any other steps to make it thoroughly dry? IOWA.

#### ANSWER.

After three years' experience with our storage cellar we are convinced that there is no better plan than the one we have adopted, with one modification, and that would be to put our billing houses and packing sheds on top of the cellar. To be brief we would advise your correspondent to dig out the ground in the side hill and distribute it on the lower ground, anywhere to get rid of it. Building the walls either of stone, concrete, or cement blocks. It is not necessary to cement the bottom. If the ground is wet it should be well drained, altho a reasonable amount of moisture is not objectionable. Our cellar is in sand and gravel and we have to wet the bottom very thoroly before putting stock in or else it dries out. If your correspondent can make any use of a building on top of the cellar it will make it much easier to control the temperature of the cellar. The building will keep out the heat when it is warm, and the cold when it is severe, and furnish a splendid room for any use that it might be wanted for. If it was desired we could give detailed descriptions of how to proceed in making the concrete pillars and roof or ceiling, but we presume that that would be familiar to almost everyone now, as the process of building with concrete is so common. It is desirable to have the walls at least 12 to 15 ft. deep. Our cellar "B" is 100 by 200 ft. We drive into it with two or four horses as is desired, and then turn around in the further end and drive out again. Cellar "A" is 60x130 ft. This we drive into on one side and back out. Cellar "A" has a building over it, and we are delighted with the result, and think we shall put all of our packing sheds and billing houses over cellar "B" another season. At present cellar "B" is

covered with earth, sodded over and in the early winter, we put on about two feet of straw to keep out the severe cold. It depends, of course, where your correspondent lives as to the protection necessary from cold, but it is just as desirable to keep out the effects of the sun on the roof. We would advise having plenty of light on the sides just under the eaves.

If there is any further information desired, we will be pleased to give it.

THE JEWELL NURSERY CO.,

By J. M. UNDERWOOD, Pres.

### THE BROWNSVILLE MEETING OF THE TEXAS NURSERYMEN'S ASSOCIATION.

The following program was presented at the winter meeting of this association at Brownsville:

Growing and Handling Oranges in Texas: R. W. Holbert, Arcadia, Texas; W. E. Hudson, Edna, Texas.

Are Budded Roses Superior to Own Roots, and How Best to Work Them: W. A. Yates, Brenham, Texas; Ben Hudnell, Tyler, Texas.

System in Nursery Practice Throughout: H. E. Hall, Sherman, Texas; J. R. Mayhew, Waxahachie, Texas.

Should Guaranteeing to Grow, be Practiced? E. W. Knox, San Antonio, Texas; J. W. Tackett, Weatherford, Texas.

The Nurseryman's Responsibility in the Development of Horticulture: B. L. Adams, Bonham, Texas; John F. Sneed, Tyler, Texas.

The Best Method of Successful Grafting and Budding Pecans: E. W. Kirkpatrick, McKinney, Texas; Fernando Miller, Lampasas, Texas.

Landscape Architecture for the Southwest: H. C. Styles, Raymondville, Texas; John S. Kerr, Sherman, Texas.

The Inspection Law, and Work, of Texas: Sam H. Dixon, of Houston, Texas.

### THE PROTUMNA GAS SPRAYER.

In our advertising columns will be found a mention of this somewhat new spraying apparatus, manufactured by the American Horticultural Distributing Company. This company believe that they have a machine which is an improvement on other sprayers in points of simplicity, efficiency and lightness. The company maintains an experimental orchard in which spray material and spray engines are tested. This machine is the outgrowth of their own experience.

#### *Spraying Apparatus.—Continued from p. 81.*

pared to criticise or to commend them for this purpose at this time. The use of a compressed air sprayer, where the air is compressed in a separate tank at a central place, is no doubt satisfactory, but the installation of compressing apparatus is quite expensive. Favorable or unfavorable reports can be had from different growers who have, or are still using either the carbonic gas sprayers or gasoline engine rigs. There is no doubt that a lighter engine, weighing from ninety to one hundred and fifty pounds, is more desirable where spraying is only required than the larger and heavier engines weighing from two hundred to five hundred pounds. When there is only a limited amount of spraying to be done, the barrel or double-acting hand spray pumps are decidedly the most economical and satisfactory.

In conclusion, no matter what kind of pump is used, provision should be made for keeping the wash in the barrel or tank thoroughly agitated, a sufficient pressure should be maintained, and an abundance of hose should be connected with each extension rod and nozzle. And finally, we know that success or failure in spraying to control the San Jose scale will often depend upon the thoroughness of application.



## Business Movements.

### A KNOXVILLE NURSERY COMPANY PEACH TREE SUIT.

A Knoxville paper of recent date announces that a suit brought against the Knoxville Nursery Company, growing out of the purchase of a quantity of peach trees has been decided against the company. Damages to the amount of \$2,616.27 have been awarded the plaintiff. This represents an appealed case, and the verdict is said to be practically the same as the first one. The defendants, however, may ask for a new trial.

### TAKANAP SOAP.

This spray material has the endorsement of several prominent entomologists as a specific to be used against sucking insects.

Charles Howard, formerly of the Chase Rose Company, has purchased a tract of land at Hemet, Cal., where he will conduct a nursery business in the future. Mr. Howard was formerly secretary of the Chase Rose Company, of Riverside.

The T. S. Hubbard Company of Fredonia, are much pleased with the growth made by their grape vines the past season which is generally considered to have been an unusually favorable one in the Chautauqua district.

### NEW ORCHARD COMPANY INCORPORATED.

Among the incorporations authorized recently was that of Martin's Mountain Orchard Company, of Paw Paw, Hampshire county, W. Va., authorized capital stock, \$30,000. Incorporators: H. W. Miller, of Paw Paw; G. P. Miller, Q. R. Pancake and H. B. Gilkeson, all of Romney, W. Va.

### SNYDER NURSERIES.

S. E. Smith and W. K. Eastes are preparing to engage in the nursery business at Snyder, Texas, at an early date. They are planning to grow a general line of nursery stock suitable for that section and for the country in general. All communications intended for them should be addressed to the Snyder Nurseries, Box 57, Snyder, Texas.

### STARK BROTHERS EXTENDING HOLDINGS IN DANSVILLE.

The local papers of Dansville record the purchase of fifty-five acres of the Morey farm by the Stark Brothers Nurseries and Orchards Company, of Louisiana, Mo.

This tract will be added to the present holdings of this company. The area adjoins the present nursery of this enterprising firm and gives them a piece of nursery land admirably adapted to the growth of trees. The Dansville people are welcoming this extension of the Stark Brothers enterprise very warmly. It may be noted that this firm has also a considerable tract of land in Chautauqua county, New York, which is practically exclusively devoted to the growing of high-grade grape vines.

### THE CHASE BROS. COMPANY OF ONTARIO.

The Chase Brothers Company, Ltd., of Ontario, Canada, was established in 1857, and was incorporated in 1898. The Colborne Express of November 26th contains a very interesting article descriptive of the business of this firm and its influence as an industrial organization on the life of the community.

It appears that the firm was originally the Canadian branch of the Chase Brothers Company of Rochester, which company has had much to do with educating the nurserymen of today. The incorporators of the Ontario Company are James McGlennon, his wife and his three sons, J. Austin Shaw McGlennon, A. C. McGlennon and W. W. McGlennon. The president of the company is the senior member and the secretary-treasurer is J. Austin Shaw McGlennon.

## Doings of Societies.

At the annual meeting of the Connecticut Nurserymen's Association held in Hartford on Feb. 1st, the following officers were elected: C. R. Burr, Manchester, Conn., president; C. W. Atwater, Collinsville, Conn., vice-president; W. W. Hunt, Hartford, Conn., treasurer; J. Vidbourne, Hartford, Conn., secretary.

### AMERICAN ROSE SOCIETY.

The annual convention and spring exhibition of this society will be held in Buffalo, March 17-19. President, August T. Poehlmann, Morton Grove, Ill.; secretary, Benjamin Hammond, Fishkill-on-Hudson, N. Y.

### TENNESSEE NURSERYMEN AND FRUIT GROWERS MEET.

A joint meeting of the State Horticultural Society and the Tennessee State Nurserymen's Association was held at the Tulane Hotel, Nashville, January 26-27. The officers of the Association are:

#### Tennessee State Nurserymen's Association.

President, F. G. McCord, Nashville; secretary-treasurer, G. M. Bentley, State University, Knoxville.

#### State Horticultural Society.

President, R. A. Wilkes, Culleoka; secretary-treasurer, Charles A. Keffer, State University, Knoxville.

### NEW YORK STATE FRUIT GROWERS.

The use of lime-sulphur washes, either of the home made or proprietary description, formed the most interesting topic of discussion at the meeting of the New York State Fruit Growers at Medina, January 6th and 7th.

The sulphur washes are taking a more important place in the spraying practices of the fruit grower each year. The fact that the lime-sulphur combination is a fungicide as well as an insecticide give it considerable advantage over other mixtures which are remedies against sucking insects, but have lacked fungicidal value.

The point was brought out that the lime-sulphur mixtures in diluted form could be used as summer washes, and when employed in this way is a specific against such injurious diseases as brown rot of the peach, black spot of the peach, and the ordinary scab of the apple and pear.

The discussion brought out other interesting points, viz.: that lime-sulphur was useful in controlling the blister mite affecting apple trees, and the common mildew which attacks the peach. It also appeared that arsenate of lead appeared to be growing in popularity. While the society through its selling agency disposed of only about one ton of arsenate of lead in 1907, they sold more than ten tons in 1908.

The officers of the society for the coming year are as follows: President, B. J. Case, Sodus; vice-presidents, Clark Allis, Medina, J. W. Bell, Portland, H. L. Brown, Carlton, and Luther Callomer, Hilton; executive committee, Frank Bradley, L. L. Morrell, Samuel Smith, T. B. Wilson and W. Ray Teats; secretary, E. C. Gillett, Penn Yan; treasurer, C. H. Darrow, Geneva.

### CLASSIFY TARIFF.

We are in favor of leaving the tariff about where it is, with the exception of a more definite classification. We believe it to the best interests of the business to maintain a reasonable tariff on import stock, especially such lines as are grown by American nurserymen and Florists.

Nursery, Mo. F. A. WEBER & SONS NURSERY CO.



*Continued from page 75.*

their places amid lavish decorations of flowers and, voluminous strains of sweet music. Covers were laid for thirty-eight, the largest attendance in the history of the Association.

The menu shared the honors with the speech making which followed. Mr. Frank Freeman of Phoneton acted as toastmaster, and in a few felicitous remarks introduced the speakers of the evening. Mr. McNary of Dayton responded to the toast "Our Association" and closed his remarks with a parody on the Raven, for which due apology was made to Mr. Poesbird. Mrs. T. J. Dinsmore, wife of the President of the Association, then entertained the company with a recitation, and was followed by Mr. Broomhall of Troy, Ohio, with a speech full of inspiration and encouragement.

The affair was a success in every sense of the word, and was thoroughly enjoyed by everyone present.

### TREATMENT OF SAN JOSE SCALE.

An interesting statement which appears in Bulletin No. 131 of the Maryland Experiment Station is this:

"The control of the San Jose scale in Maryland has reached the point where spraying for this pest each year is considered by the progressive orchardist as routine work. The home-made lime-sulphur wash is thoroughly established as an effective and cheap remedy. In addition it has fungicidal properties which usually control the peach leaf curl.

"This bulletin gives results of trials with a number of proprietary lime and sulphur washes, as well as miscible oil mixtures. The home-made formula of lime-sulphur, the Niagara brand commercial lime-sulphur, and the Rex brand of lime-sulphur have given excellent or good results. The author concludes that miscible oils may be used, but with considerable caution, and his experience indicates that there is occasional injury from the use of these oils when applied to peach trees.

"In reference to the Lime and Sulphur washes, the author says that the "results of our test with these solutions on apple and peach were very satisfactory. Observations indicated equally as good results in controlling scale where the concentrated lime-sulphur solution was used by growers."

### THE TARIFF QUESTION.

Mr. Editor

I note with interest the different opinions on the tariff question of nursery stock, and while it was amusing to Mr. Kelsey that Mr. Carnegie has suddenly seen "the great light," Mr. Kelsey is probably still more amused since our library philanthropist has slightly changed his mind and turned out to be the doubting Thomas as to the tariff question on his favorite products. It is quite natural in this century that a nurseryman who does not grow any roses, but simply buys what he needs to fill his orders, does not care for much duty on such stock, the same is true with other stock while the nurseryman who grow any particular line of stock, such as roses, clematis, evergreen seedlings, etc. prefer a thorough protective tariff on such stock. Now from an outsider's point of view, it seems that nurserymen should all stand solid united for a protective tariff on all stock that is *being grown in this country*, even cuttings and seedlings *that can be grown here*, should receive ample protection. The article of Mr. Ouwerkerk although favoring a low tariff, gives a pretty fair opinion that a high tariff is absolutely necessary on all stock that can be grown here successfully. Take for instance hydrangea's, spirea's, Berberry Thunbergii, and hundreds of other varieties of shrubs, we can raise them here just as well as in any foreign country. American grown roses from the Eastern and Middle states are better adapted for this climate than the imported stock. It is true the Holland rose bush is generally nice looking but the wood is too soft and pithy to stand our dry winds, and as a general rule three or four days after planting the rose bush is dead nearly to the ground, this may not be the case so much in New Jersey or thereabouts; but it certainly is true in

the Middle and Western States except in parts of the Pacific Coast States, where the atmosphere contains considerably more moisture.

I believe that the American nurserymen should grow more plum, cherry and apple seedlings. Even if the cost of growing them would make them higher than the Imported stock, we would gain several points, chief among them would be that we could give more work to our best help, as the stock could be pruned and graded in the winter time, and if the stock is raised in your own nursery, you have it in your own hands to keep it free from insect pests, and furthermore you do not run the risk of receiving stock that is frozen, dried, rotted or sprouted too much. The foreign nurserymen have the advantage in the matter of skilled help over the American nurserymen, first because the American nurserymen in general do not grow half of their planting stock, hence have little or nothing to do in the winter.

Second the American laboring man is more independent and while the foreign laborer earns about \$120 per year, the American laboring man in the nurseries earn that same amount in three months or less, and a large portion work in shops, factories or on farms the other nine months of the year. The nurseries in the middle Western States are a Godsend to the farmers for just about the time the nurserymen get through with a large portion of their help, the farmers are anxious to hire them for haying, harvesting and threshing and again when the farmers are through with them, the nurserymen are again glad to hire them for their fall work.

In quite a number of the foreign countries, including Boskoop, the men are required to work from 15 to 18 hours per day during the shipping season. Under such conditions men cannot feel as anxious to work as those who work ten hours and take their rest properly. During my trips among nurserymen and florists, I find indeed a large portion of the men in charge are foreigners, and I have met with many Hollanders as well as English, Scotch and German.

The conditions in all foreign countries are so different to those in America, that one cannot place even the best of the old countries on an equal basis with America. The wages of the laboring people in Holland, Germany, Belgium, France, England, in fact throughout all Europe are so low, that it is practically a hopeless task to try to save a few cents. Switzerland is the only European country where laboring people are moderately prosperous.

Mr. Ouwerkerk says: "If the capital spent for duties by the nursery trade was turned into labor," etc. (see page 43). To make a rough estimate in round figures, let us suppose the Government receives \$500,000 annually for duties on nursery stock. This amount is spent by the Government for various purposes, and if not collected from foreign shipments, it must be collected from the American people directly through taxation. Again the American nurserymen would be forced to sell their stock at from 20 to 50% less than the present prices. The question then is: Are the American nurserymen making such enormous profits that they could afford this cut and still pay their help \$1.50 to \$2.00 per day? It is not the incompetence of the American nurseryman that he only grows 18,000 roses per acre while the Hollander grows 80,000 per acre. The American nurseryman plants his stock far apart, as land is rather cheap, and this enables him to save labor by cultivating with horses; while the Boskoop nurseryman plants just as close as possible, as land is very high priced, he works it by hand because labor is cheap.

I have noticed much improvement among the American nurserymen all over the States in the last decade. They are growing much better stock than formerly. They are not using gooseberry bushes for rose bushes any more! Here few strawberry trees are sold, even the coreless apple was not accepted in the circle of grand fellowship! Nurserymen are employing more skilled help than years ago, and while once more referring to Mr. Ouwerkerk's article as he states, skilled labor receives about 60 cents per day in Holland, our American Nurserymen pay from \$2.00 to \$5.00 per day for skilled help.

A little one horse wholesale trust among the nurserymen will not harm the business, but as soon as the retail nurserymen form a gigantic trust to bleed the poor farmer and millionaire then and not until then let us all cry for free trade on all stock which these retailers are growing and let us then demand a high tariff on all stock which they imported to sell, which they cannot grow any way. PROSPERITY.



# INSPECTION OF NURSERY STOCK AT PORTS OF ENTRY.

## Important Bill Before Congress.

### House Bill 27,367.

An act providing for the "inspection of nursery stock at ports of entry of the United States, to authorize the secretary of agriculture to establish a quarantine against importation and against the transportation in interstate commerce of diseased nursery stock or nursery stock infested with injurious insects and making an appropriation to carry the same into effect," was read before the United States Senate on February 17th, and referred to the committee on agriculture and forestry. This act will, if passed, give the secretary of Agriculture power to inspect all types of nursery stock at ports of entry or dispense with such inspection if such be deemed wise; it will prevent transportation companies from receiving stock not accompanied by a certificate of inspection; it requires transportation companies to notify the office of Secretary of Agriculture of the arrival of consignments; for the disinfection of infested stock at the expense of the owner or agent; for the prohibition of stock infested with new diseases or insects; for quarantine of stock when necessary, and for the shipment of quarantined stock by parcels post. These are the main features of the act which is to go into force if passed in June, 1909.

The following letter describes its present status.

#### BILL TO BE HELD UP FOR THE PRESENT.

Ed. National Nurseryman:

This bill was prepared and introduced by the officials of the Entomological Department at Washington, and apparently without consultation with the representatives of the nursery interests.

We knew nothing of the matter until a few days ago, when we found that it had passed the House, and had gone to the Senate, had been favorably reported by the Senate Committee on Agriculture, and was then in a fair way for passage by the Senate. Fortunately, we were able to get the bill sent back to the Senate Committee for a hearing, and this hearing was given us on Wednesday of this week.

The main purpose of the bill was to provide for the examination, inspection and treatment when necessary of imported French seedlings at such ports of entry as might be designated by the Secretary of Agriculture.

Our committee took the position that we welcomed all reasonable examination and inspection, but that we felt that this examination should take place at the final destination, and in the warehouses or storage houses of the owner, as it is done in New York and other states, and argued that if the states could so handle it there was no reason why the Department at Washington could not do so.

We were accorded every opportunity to present our views by Senator Long of Kansas, chairman of the Subcommittee of the Senate Committee on Agriculture, and by

Mr. Scott of Kansas, Chairman of the House Committee on Agriculture, and we also had an extended interview with Dr. Howard and other officials of his department.

Finally, at the suggestion of Representative Scott, it was agreed that the present bill should be held up for this session, and that before the next session of Congress the representatives of the nursery interests and the officials of the Department of Agriculture would get together and endeavor in good faith to prepare a bill for introduction next winter.

This, we regarded as a very happy solution of the present question, and nothing will be done with the bill at this session, and this Legislative Committee, or a committee that may be appointed at the June Convention, will no doubt take the matter up with the Department at Washington, and endeavor to formulate a bill that will be satisfactory all around.

The members of the Legislative Committee who were in Washington besides myself, were Irving Rouse, of Rochester N. Y.; James M. Pitkin, of Newark, N. Y.; J. H. Dayton, of Painesville, O.; Thomas B. Meehan, Dresher, Pa.; Abner Hoopes, West Chester, Pa., and Wm. H. Moon, Morrisville, Pa.

Yours truly,

WM. PITKIN,

Chairman of Legislative Committee.

#### SPRAYING FOR PLUM CURCULIO.

In some parts of the country, the plum curculio is inclined to be rather cosmopolitan in its habits; in other words, it is quite as likely to attack the apple as it is the plum. This is the case in Minnesota, and the Minnesota Experiment Station has published a bulletin on spraying apple and plum trees for this enemy. The following summary of their results is given:

"Spraying plum trees with Arsenate of Lead and Bordeaux Mixture (3-4-50) two or three times at beginning of Curculio season, at intervals of a week or ten days will prevent at least 50% loss of fruit from Curculio injury, to which must be added whatever injury from fungi is saved by the use of Bordeaux mixture.

"Spraying apple trees at the same time will, as our experiments and the experiments of others show, control not only the Curculio on the apple, but the Codling Moth as well.

"The spraying before the blossoms open gives a result decidedly in favor of such spraying. If, however, only two sprayings can be given, the second (May 27th in 1908) and third (June 4th in 1908) are the most effective.

"Cultivation during July and August, or turning hogs in to gather up wind falls is an effective method of control."

Peaceful, patient persevering pressure produces prosperity.

Advertising is the modern method of doing business.

No business, no matter what, can progress without it.



### THE TARIFF; AN IMPORTERS' VIEWS.

The Tariff as it stands at present seems to be fair to everyone. It protects the American grower, yet permits the jobber or nurseryman to import what is necessary to fill his orders. Any change either up or down would tend to destroy the present balance.

Instead of each nurseryman advocating changes, nearly always is his own interest only, all should combine in preventing the collection of duty upon packing and cases. The lumber used all over Europe for this purpose is imported principally from United States, Canada, Norway and Sweden. A duty is paid upon this lumber when it is imported into Holland, France, etc., and an additional duty upon entering the town. This explains the high cost of packing in Europe and we consider it quite unfair for Uncle Sam to assess a 25% duty upon this same lumber when it is brought back as packing, when duty is paid on contents.

Specific duties are always simpler and more desirable in theory, but in practice they work hardships to the importer. Instead of considering the market values of an importation of nursery stock after it has been forwarded as at present, the Government to protect itself must check up the contents of each case before forwarding. This would throw us back to the old system of public store examination of each case and with the usual congestion would cause lengthy delays and probable loss of contents.

Nurserymen cannot be expected to understand the cause of such delays and why they should pay for stock received dead or damaged--killed or injured through the putting into effect of their own suggestion. A New York firm of importers should be represented on the Tariff Committee of the American Association of Nurserymen.

The suggested duty of four per cent. each, specific on Roses would work hardship to the Nurserymen themselves. It is practically prohibitive. The present duty of 2½¢ each specific, amply protects the American grower as it gives him over 100% margin over foreign cost. Even the poorest of Holland Roses cost \$35.00 per 1000 (duty and importation expenses alone) to land at New York.

The cost of importing large trees and evergreens is sufficient protection in itself. An additional duty would prevent Nurserymen covering shortages and would consequently cause them loss of trade. A Norway Spruce, 5-6 ft. high delivered at New York costs approximately 300% of its Holland value, not counting its present 25% duty. Why increase this duty?

Germany increased its duty on importations of large Evergreens and forest trees but after the Tariff has been in effect only about six months it was repealed about a month ago. Now all forest trees under 8 ft. high are admitted free. Our Holland correspondent in informing us of this writes "they have done this because the nurseries in Germany charge so high for this class of stock and it is profitable for the whole country if big forests are planted."

Many of your correspondents assume that stock is imported because it is cheap. This fallacy is easily disproven. No European exporter could afford to ship anything but the very best. The stock is imported by American Nurserymen for one or more of three reasons as follows:

1. Because it cannot be successfully grown here as Pear, Quince, Cherry and other fruit stocks, Rhododendrons, etc.
2. Because the trees are straight and better selected as in Norway and Schwedler Maples, etc.
3. Because the stock is better packed and put up in more attractive form, as Roses, etc.

While we do not advocate the present abolishment of all duty upon nursery stock, we believe it would be a good thing ultimately for nurserymen. As Mr. Ouwerkerk says in February number of NATIONAL NURSERYMAN we need trees, millions of them to replant our denuded forests and plant around thousands of bare homes, especially through the middle west.

Yours truly,  
New York. McHUTCHISON & Co.

### DIPPING NURSERY STOCK.

Experiments have been carried on by one or two stations in reference to the influence and efficiency of dipping nursery stock as a means of ridding it of San Jose scale. Dipping is to be looked upon as an alternative method with fumigation. The Maryland Experiment Station reports as follows:

#### SUMMARY OF DIPPING EXPERIMENTS.

"A summary of these experiments shows that dipping dormant nursery trees in the lime-sulphur wash, either stems and roots or stems alone, at a temperature of 172 degrees Fahrenheit, may be expected to be attended by severe injury to the trees and a much lower temperature would be desirable if the effect upon the health of the trees alone could be considered. In the first experiment considerable difference is noted in dipping roots and stems and stems alone in the solution at 172 degrees Fahrenheit. In the succeeding experiments practically no difference could be detected between those immersed stems and roots or stems alone in the lime-sulphur solution at 100 degrees Fahrenheit or other solutions employed, with possibly the exception of some miscible oils. We believe, however, the dipping of the roots of trees in any of these solutions to be rather a questionable procedure and not a safe treatment for the trees.

"The results as indicated in experiments two, three and four go to show that dormant nursery trees may be dipped instantaneously stems and tops only, in the lime-sulphur wash at or below the temperature of 100 degrees Fahrenheit and in the various miscible oils employed in our tests without apparent injury resulting to the trees. They also show that only strictly dormant nursery stock should be dipped in any of the solutions used.

"These experiments further indicate that such treatment may be considered effective in combating the San Jose scale, as in all the tests where infested trees were dipped no live scale could be found on the trees at the final examination. However, the published results of other experimenters and the limited number of infested trees included in these tests, lead us to consider that these results may be inconclusive.

"These varying results go to show that further experimentation is necessary in order to establish what may be expected from such treatment before its adoption for general use becomes desirable."

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Yours truly,  
B. R. HARRIS.

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PROVO NURSERIES.



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"I am getting good results from my advertisement.

B. H. BOWER, Provo Nurs., Utah.

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## THE IDEAL WINTER SPRAY SCALE KILLER & FUNGIGIDE

**POWERFUL CLEANSER AND INVIGORATOR**

Mixes Instantly. No Sediment. No clogging. Non-injurious to user  
COMPARATIVE TEST WILL PROVE ITS MERITS

Quart, \$1.00; Gallon, \$3.00

1 gallon makes 100 gallons.

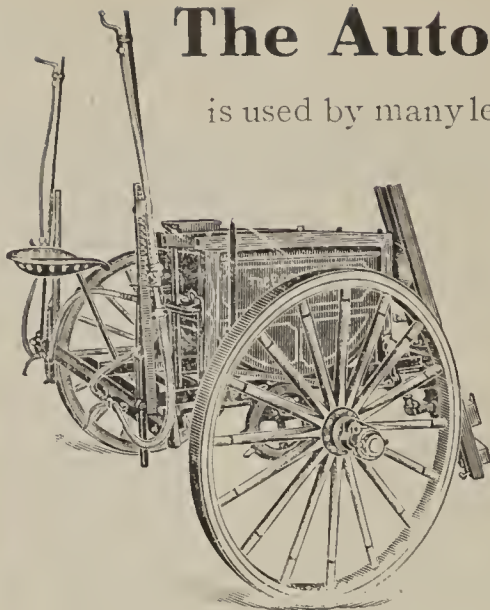
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## The Auto Spray No. 11



AUTO SPRAY NO. 11

is used by many leading nurserymen for spraying small nursery stock and is guaranteed to be the most satisfactory machine manufactured for the purpose.



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is a new style of compressed air sprayer so arranged that the high pressure may be constantly maintained. It may be used for all spray operations including large nursery stock on limited areas.

A NEW NURSERY SPRAYER for large stock with arched axle straddling two rows, operated by one horse, carrying 75 gallons and light of draft is now perfected. Fifteen of these machines will be built in 1909. First come first served.

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BOX ELDER in all grades.  
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CONIFERS including a quantity of well shaped specimens for decorative purposes. Low prices can be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN AND  
DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.

MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.

Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other AMERICAN  
PLANTS.

(A good stock of all hardy varieties of Rhododendrons.)

CLEMATIS and other HARDY CLIMBING  
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THE STOCK IS IN EXCELLENT CONDITION  
LARGE QUANTITIES SHIPPED ANNUALLY.

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Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

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Wholesale Growers of

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10,000 APPLE, 1 yr. from bud.  
100,000,000 STRAWBERRY PLANTS in six leading sorts.

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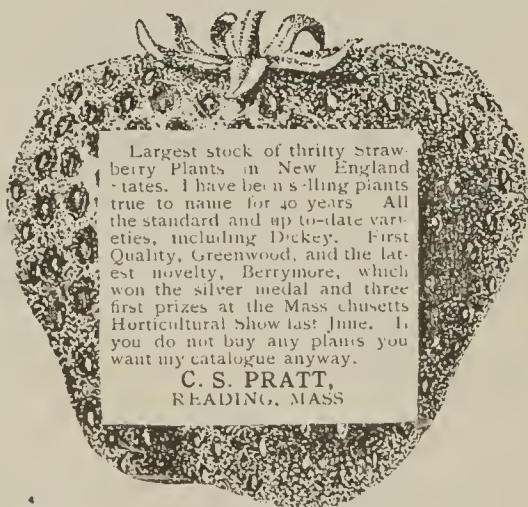
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While of importance to private planters, it is of  
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### "Trees True to Name"

Large test orchards are maintained at Glen Saint Mary  
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1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.  
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| Grape            | Althea          | Weeping Trees          |
| Currant          | Hydrangea       | Catalpa Seedlings      |
| Gooseberry       | Barberries      | Black Locust           |
| Small Fruits     | Syringaeas      | Fruit Tree             |
| Maple Norway     | Clematis        | Catalpa Speciosa Seed. |
| Maple Schwedlers | Honey Suckle    | Etc., Etc., Etc.       |
| Maple Silver     | Wistaria        |                        |

Our stock is well grown and graded. Prices are such that it will pay to  
investigate. Come and see us or write.

**J. K. HENBY & SON**  
GREENFIELD, IND.

## P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas,  
Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydran-  
geas and Shrubs, our specialties at our **HOLLAND NUR-  
SERIES**. Some of the goods on hand here during the  
packing season.

## California Privet

LARGEST STOCK IN THE COUNTRY  
SEND FOR PRICES

**C. A. BENNETT, Robbinsville, N. J.**

## WOOD LABELS FOR NURSEYMEN AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our  
careful attention.

Samples and Prices Cheerfully Given.

**DAYTON FRUIT TREE LABEL CO.**  
SOUTH CANAL STREET, DAYTON, O.

When writing to Advertisers mention The National Nurseryman.

## A New Blackberry THE WATT

To be offered to the trade next spring. If interested send postal for history and  
description. **M. CRAWFORD CO., Cuyahoga Falls, O.**

## HELP WANTED.

We have place for experienced help in the Nursery and office.  
Also for several first class salesmen. We will pay the highest  
wages to competent men.

**MONTANA NURSERY CO., Billings, Montana.**



## 1908 Crop Evergreen Tree Seeds

Thuya Occidentalis	Am. A. Vitae
Larix " "	Mammoth Larch
Pinus Strobus	White Pine
Abies Canadensis	Hemlock
Pinus Banksiana	Divaricata

ALL GUARANTEED 1908 CROP

We have a quantity of above seed of our own collection, over and above what we need for our own sowing, and offer it to the trade at a price as low as good seed can be collected and sold for.

ADDRESS

**EVERGREEN NURSERY CO.**  
STURGEON BAY, WIS.

## WANTED--March 15

An experienced energetic gardener, thoroughly acquainted with hardy stock, garden making, grading, trimming, etc. Permanent position to right party. State references and salary.

**THE ELM CITY NURSERY CO.**

New Haven, Conn.

## The New England Nurseries, Inc.

BEDFORD, MASS.

HIGH GRADE FRUIT AND ORNAMENTAL  
TREES, SHRUBS, ROSES AND  
HERBACEOUS PERENNIALS

We grow everything required for Orchard, Garden,  
Lawn and Landscape Planting.

Catalog and Trade-list on application.

## KANSAS CITY NURSERIES

GEO. H. JOHNSTON, Prop.

SUCCESSOR TO BLAIR & KAUFMAN

233-234 Rialto Building, - - Kansas City, Mo.

Offer for Spring 1909 large stock of Carolina Poplars all sizes; Concord Grapes; Currants; Asparagus and a full line of Ornamental Shrubs, Peonies, &c.

## Hardy Herbaceous Perennials

Strong, well-grown plants at reasonable rates.  
Send for trade price-list.

DANIEL A. CLARKE,

RED OAK NURSERIES,

FISKEVILLE, R. I.

## AGENTS WANTED

ON LIBERAL COMMISSION TO INTRO-  
DUCE FOR SPRAYING

TAK-A-NAP SOFT NAPHTHA SOAP, or SOLUBLE OIL.

THAYER-HOVEY SOAP CO., DARBY, PA.

## DREER SPECIALS

FOR SPRING 1909

PAEONIES

PHLOXES

JAPANESE IRIS

GERMAN IRIS

TRITOMAS

And a most complete line of Hardy Perennials,  
Decorative Foliage and Greenhouse Plants

Write for special prices on your requirements

HENRY A. DREER, PHILADELPHIA, PA.

100,000

## CAROLINA POPLAR CUTTINGS

BEST WE EVER FURNISHED :

\$1.00 PER THOUSAND—IN LOTS OF 10,000 OR MORE

\$1.25 THOUSAND IN SMALL QUANTITIES

SOME OTHER ITEMS:

1400 Norway Spruce, 125 Purple Lvd. Beech, 250 Ash  
Viridis, 50 Judas Tree 4-6 ft., 600 Black Locust 4-6 ft.,  
250 Ampelopsis Veitchii, 250 Hall's Honey Suckle, 450  
South Orange Perfection Wichuriana Rose, 400 Aquilegia,  
1500 Hardy Asters, 400 Shasta Daisy 1000 Hemercolis,  
500 Phlox, 5000 Mercereau Blackberry.

WRITE FOR LOW PRICES ON THESE

## Central Nursery & Floral Co.

KALAMAZOO, MICH.

## YOUNGER & COMPANY

GENEVA, NEB.

## CHERRY TREES

WESTERN GROWN

Our Trees are Vigorous, No signs of Fungus, or Leaf Mould, Well Graded and  
Price Right.

EUROPEAN PLUM. We have a fine assortment.

STANDARD PEAR. A good supply of standard sorts.

GRAPE VINES. Fredonia Grown and up to Grade good  
clean stock.

SHADE TREES

ORNAMENTAL TREES AND EVERGREENS

IN LARGE QUANTITIES

Write for Prices

## Forest Seedlings

To close out quick, I offer the following first-class  
stock, Wholesale Trade

100 M. Amorpha fruticosa. 1 to  
3 ft.  
300 M. Althea Rosea Grafting  
Stocks.  
500 M. Black Locust. 1 to 5 ft.  
50 M. Calycanthus, Sweet Shrub.  
1 to 3 ft.  
150 M. Cercis canadensis, Red  
Bud. 1 to 6 ft.  
60 M. Cornus stolonifera, Ozier  
Dogwood. 1 to 5 ft.  
50 M. Diospyros, Am. Persim-  
mon. 6 to 30 in.  
50 M. Elm (white.) 1 to 2 ft.  
75 M. Hamamelis, Witch Hazel.  
1 to 3 ft.  
50 M. Tulip Poplar. 1 to 10 ft.

20 M. Sweet Gum. 1 to 6 ft.  
50 M. Black Walnut. 1 to 3 ft.  
20 M. Wistaria. 1 to 3 ft.  
20 M. Yucca filamentosa, 2 year.  
Butternuts, Japan Walnuts,  
Ash, Maples, etc. Send for trade  
list.

VIBURNUMS

I offer my entire stock at low  
prices to close out.  
Large Surplus Fall Seeds. Ash,  
Box Elder, Linden, Dogwood,  
Sweetgum, Magnolias, Persimons,  
American Beech, Red Cedar Black-  
gum, Buck Thorn, Altheas, Red  
Bud, Calycanthus, etc.  
Send for Trade list.

FOREST NURSERY CO.

McMinnville, Tenn.



# J. H. SKINNER & CO.

Sta. "A," Topeka, Kansas

**SPRING, 1909**

FRUIT, SHADE AND ORNAMENTAL TREES  
FLOWERING SHRUBS.

ELM AND MAPLE SEEDLINGS, 1 YEAR. A few

1 Year Seedlings of American Sweet Chestnut.

Horse Chestnut. Kentucky Coffee Tree.

JAPAN WALNUTS: Will make attractive prices on  
600 3 to 4 ft. 900 2 to 3 ft. 2,000 1 to 2 ft.

# E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,  
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

**PEAR AND CRAB APPLE SEED,**

The most complete assortment of Ornamental Stocks,  
Trees and Shrubs.

**Geo. E. Dickinson,** 1 Broadway, N. Y.

At Geneva, N. Y., still in nursery rows, we have a fine  
block of 2 yr. cherries from which we offer the 5/8 to 3/4  
and 1/2 to 5/8 grades at **LOW PRICES.**

**VARIETIES:**—Montmorency, Early Richmond, English Mo-  
rello, Windsor, Lambert, Napoleon, Dykeman, Black Tar-  
tarian, Bing, Yellow Spanish, Gov. Wood.

We also have fine, 1st class Plums, 2 yr., 3/4 and up.

Lombard, Imperial Gage, Reine Claude, Grand Duke,  
Moore's Arctic, Prunus Pissardi.

Quinces, Persian Yellow Roses, Kieffer and Seckel Pears.

**WHITING NURSERY CO.** 646 Warren St., BOSTON, MASS.

Send for Sample of

**Illustrated Stock Catalogue  
For Nurserymen**

W. F. HUMPHREY, Geneva, N. Y.

ESTABLISHED 1868

**F. W. MENERAY**

# Crescent Nursery Co.

Council Bluffs, Ia.

We offer our large stock of  
**PAEONIES** at a special low price  
for Spring, 1909. Also a large stock  
of Cherries, Plums, Pears, Goose-  
berries, Deciduous Trees and Orna-  
mental Shrubs.

When writing to Advertisers mention The National Nurseryman.

# The L. Green & Son Co.

**PERRY, LAKE CO., OHIO**

Offers for Fall '08, one of the Most Complete Assortments  
in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan,  
and Native Plum, Peach, Ornamental Trees and a  
fine lot of Poplars, including 1 yr. whips, 3 to 7 ft.  
Lots of shrubs, vines, roses, evergreens, herbaceous  
and perennial plants. Also a nice lot of 2 yr.  
grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

Established 1780.

# Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

**SEASON, 1909**

FOR NURSERY STOCKS OF THEIR OWN  
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

# W. T. HOOD & CO.,

Old Dominion Nurseries

**RICHMOND, VA.**

Specialties for Spring 1909

Japan Pear Seedlings; California Privet---Fine Plants.

Special Inducements in Carload Lots

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all  
varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2  
yr., Champion, Orange, Meeches & Reas, exceptionally  
fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

**GENERAL LINE OF NURSERY STOCK**

Correspondence Invited.

When writing to Advertisers mention The National Nurseryman.



Largest Grower in America of  
**GRAPE VINES**

Other Specialties

**Currants and Gooseberries**

INTRODUCER OF CAMPBELL'S EARLY GRAPE  
JOSSELYN GOOSEBERRY, FAY  
CURRANT.

OVER THIRTY YEARS WITH NO CHANGE WHATEVER IN  
OWNERSHIP OR MANAGEMENT.

Our main business is the growing of unusually high grade stock suitable for the proper filling of Nurserymen's Retail Orders. There being no standard for grading above kinds of stock, every grower of the same is at perfect liberty to adopt his own ideas for growing and grading and alter the same as often as he sees fit.

Our stock this season has made very heavy growth and we have ordered extra boxing to meet this necessity. Box and packing free.

Prices reasonable but not always lower than are generally quoted for light rooted stock.

Please send us your list of wants.

**George S. Josselyn,**  
FREDONIA, NEW YORK

**For Spring, 1909**

Many lines of Shrubs, Ornamentals etc. will be very scarce. We have a good supply of the scarce articles, as well as a large and complete stock of Fruit, Shade, and Ornamentals, Shrubs, Perennials, Roses and Forest Tree Seedlings.

Send us your want lists for special prices.

Trade list ready February 15th. Send for copy.  
1500 lbs. Black Locust Seed to offer.

*The Willadean Nurseries*

THE DONALDSON CO.,

WARSAW, KY.

**Grafted Pecan Trees**  
**THE NUT NURSERY CO.**

R. C. Simpson, Mgr.,

MONTICELLO, FLA.

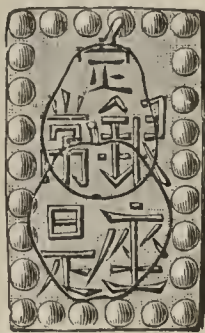
**A BARGAIN** IN STANDARD PEARS.  
Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere  
Address,

**PIONEER NURSERIES COMPANY,**  
Salt Lake City, Utah.

When writing to Advertisers mention The National Nurseryman.



HEIKES--HUNTSVILLE--TREES

**HUNTSVILLE**

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Spring of 1909, Pears, Plums, Cherries, Peaches, Roses, and Pecans in large quantities as usual.

**SPECIALTIES**

**KIEFFER PEARS**—Which we grow in larger numbers than any other nursery in the United States. Our stock for the coming season, while not as large as usual, will be sufficient to enable us to make reasonable prices.

**PEARS, Assorted Standard**—Our assortment comprises Koonce, Early Harvest, Le Conte, Howell, Bartlett, Smith's, Garber, Duchess d'Angoleme, Japan Golden Russet, Magnolia, Beurre d'Anjou and Lawrence.

**CHERRIES**—We are also the largest grower of Cherries; but our stock of two years old for this season will be comparatively short.

**PEACHES**—We also excel in Peaches, and of these we will have both in one year and June buds the largest stock we have ever grown.

**PLUMS**—A light stock of these for this year.

**PECANS**—We continue to make a specialty of grafted Pecans. These are grown at our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

**ROSES, Budded**—These are also grown at Biloxi, Miss., because of the favorable conditions found there for their propagation. Our stock is large, consisting principally of Hybrid Perpetuals, Mosses, Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

**SOMETHING NEW**—A Root-Graft Wrapping Machine invented by W. H. Bell, the Superintendent of these nurseries. It does the work perfectly and will be on exhibition at the Nurserymen's Convention at Milwaukee.

Address, W. F. HEIKES, Manager,  
HUNTSVILLE, ALA.

**ROSES - SHRUBS - CANNAS - PHLOX**  
**JAPANESE IRIS - HERBACEOUS PAEONIES**

All Field Grown - Big Money *VALUES*

Tea's, Hybrid Teas, Hybrid Perpetual, Mosses. Rugosas Climbers, Ramblers, —THIRTY types in all. Enormous quantities—Assortment the greatest.

Send us your list—Now !

Get our quotations—Now !!

Ask for our catalog—NOW !!!

**The United States Nursery Co.**

RICH - Coahoma County - MISS.

**Charles Detriche, Senior**

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

**ANNOUNCES**

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

**JACKSON & PERKINS CO.**

NEWARK, N. Y.

When writing to Advertisers mention The National Nurseryman.





Everything in  
**Small Fruit Plants.**

Ask for price list.

W. N. SCARFF, New Carlisle, O.

**CHARLES M. PETERS,**

Formerly of W. M. PETERS SONS,

**Offers One Million Grape Vines**

One and Two Year Old for  
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

**We are Prepared to Handle Your Orders**

for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

SPECIAL—We have 1000 bu. of Red and Burr Oak Acorns on which we can make special low price.

SEED DEPT.

**DUNDEE NURSERIES**

D. HILL, Prop.

DUNDEE, ILLINOIS

**PIERRE SEBIRE & SON**

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobolan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

**WANTED**

An intelligent, energetic, reliable, and thoroughly experienced young man wants a position as managing foreman with a thoroughly reliable and progressive firm, address W. In care of National Nurseryman.

**F. E. SCHIFFERLI**

FREDONIA, N. Y.

Successor to WHEELLOCK & CLARK

AT IT SEVENTEEN YEARS

For SPRING 1909

GRAPE VINES AND CURRANT PLANTS

GRAPE AND CURRANT CUTTINGS

CORRESPONDENCE SOLICITED

**Hopedale Nurseries, Hopedale, Ills.**

Silver Maple  
Box Elder  
Ash  
Linden

Af. Tamerax  
Pussy Willow  
Jap. Quince  
Syringas & Spireas

Chinese Tr. Honeysuckle  
Wisteria  
American Ivy  
Trumpet Creeper

Also a general line of Ornamentals in surplus. Black Locust and Pin Oak Seedlings, etc. Fine line Small Ornamentals for lining out. 8,000 Am. Arbor Vitae. We collect all Native Perennials, Ferns, Orchids, etc., for the trade. Let us figure on your wants.

**Fritsch & Becker, Wholesale Seedsmen**

GROSSTABARZ, GERMANY,

**Beg to Offer**

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. Specialties: Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested

**Grape Vines**

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

T. S. HUBBARD CO., Fredonia, N. Y.

**SPRING OF 1909**

New Trade Sheet and Scion List Just Out. WRITE FOR THEM.

We have a Large Stock and can Ship Promptly.

NURSERIES AT CARROLLTON AND JERSEYVILLE, ILL.

JOHN A. CANNEDY NURSERY AND ORCHARD CO.,

CARROLLTON, ILL

**W. Fromow & Sons**

Windlesham Nurseries, Surrey, England

NOW IS THE TIME to place your orders for fall or spring deliveries of our well grown stocks of Roses, Rhododendron, Golden Privet, Retinosporas, Box, Holly, etc. For prices we refer to our latest wholesale price list mailed in November. For further particulars address our SOLE AMERICAN AGENTS

AUGUST RÖLKER & SONS, P. O. Box 752, or 31 Barclay Street, NEW YORK.

When writing to Advertisers mention The National Nurseryman.



# Maple Avenue Nurseries

*We wish to call the attention of the Trade to our large stock of Ornamentals, especially:*

American Ash, Catalpa Bungeii, English, Mossy-Cup, Pin, Red, Scarlet and White Oaks, Sweet Gum.

ORIENTAL PLANES,—one year from cuttings, fine, from one to three feet for planting in nursery rows.

A large assortment of Evergreens in all sizes. Our usual fine assortment of Shrubs.

Strong Everblooming Roses from four inch pots, our new Christine Wright, a beautiful pink climber.

NORTH CAROLINA NATURAL PEACH SEED  
Send for samples and price

S E N D F O R T R A D E L I S T

**Hoopes, Bro. & Thomas Company**

WEST CHESTER, PENNA.

Philadelphia Office, 222-3-4-5 Stephen Girard Bldg., 21 South Twelfth St

**H**AVE you seen and examined the quality of our waterproof rawhide shipping tags and tree labels? This stock is



especially adapted to hard usage and outside use. "Once used, always used." Send for samples and prices. Our refer-

ences are the largest Nurserymen in the United States.

**The Denney Tag Co.**

WEST CHESTER, PA.

## Wholesale Only

The "Faction" we believe in is SATISFACTION—the kind that scores at both ends—yours, as well as ours. In the fields, and through the seasons, in the grading piles, and through the packing house, WE WORK FOR THAT FACTION!

You will not call us a "cut price" concern; none of that ambition here. People don't PLANT the "prices." QUALITY FIRST—and as high as we're able—then, prices within reach and reason—that's the way we look at it.

Of couses, by Feb'y 1st some lines are sold out, but we still have an O. K. stock of many—and maybe just what you want.

In Light Peach, both One-Year and June Buds, nice little trees, magnificent roots, trees that will pass muster anywhere, we have the following in grades:

3 TO 4 FEET  
2 TO 3 FEET  
18 TO 24 INCHES  
12 TO 18 INCHES

Belle of Georgia  
Captain Ede  
Carman  
Chairs Choice  
Crawford's Early  
Crawford's Late  
Crosby  
Elberta

Greensboro  
Mayflower  
Mountain Rose  
Salway  
Sneed  
Stump the World  
Triumph  
Waddell

And many other things.

Please send your Want List. Correspondence gets immediate, personal attention.

**CHASE NURSERY COMPANY**

HUNTSVILLE, ALABAMA

**Wholesale Only**

## B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.  
WEeping BLUE SPRUCE. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.  
ROSES, Hybrid Perpetual and Hybrid Tea varieties.  
CONIFERS and EVERGREENS, 150 varieties.  
RHODODENDRONS, Hardy Hybrid and Maxima, 50 varieties.  
EVERGREEN SHRUBS, 35 varieties.  
FLOWERING SHRUBS, 350 varieties.  
JAPANESE MAPLES, 25 varieties.  
ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.  
WEeping and STANDARD DECIDUOUS TREES, 50 varieties.  
HEDGE PLANTS, 25 kinds.  
HARDY VINES and CLIMBERS, 75 varieties.  
PLANTS and TRAILING VINES, 12 varieties.  
SPRING and SUMMER FLOWERING ROOTS and BULBS, 250 varieties.  
DECORATIVE and FLOWERING PLANTS, 50 varieties.  
TRAINED and OTHER FRUIT TREES. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.  
SMALL FRUITS, 75 varieties.  
NEW and RARE TREES, SHRUBS and EVERGREENS, 35 varieties.  
MISCELLANEOUS NEW and RARE PLANTS and VINES, 25 varieties.  
HARDY HERBACEOUS PLANTS (Old Fashioned Flowers) 1,000 varieties.  
NEW and RARE CHOICE HARDY PERENNIALS, 65 varieties.  
ORNAMENTAL GRASSES, 30 varieties.  
HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG

VISIT NURSERIES

**BOBBINK & ATKINS,**

NURSERYMEN AND FLORISTS,

RUTHERFORD, N. J.



## Fine, Thrifty Western Grown Stock in Storage

SHIPMENT ON DAY ORDERED.

Two year old Cherry on Mahaleb  $\frac{5}{8}$  inch,  $\frac{1}{2}$  inch, and 3 to 4 feet. Very choice. Grown on Winfield Mahaleb.

Bartlett and Beurre d'Anjou Pear, one year old, 364 and 4-5 feet.

### OSAGE HEDGE.

370,000 No. 1 60,000 No. 2

### LINNAEUS RHUBARB.

4,000 No. 1 two yr. 33,300 No. 1 one yr.

### HONEY LOCUST.

9,000 18 to 24 inch 22,000 6 to 12 inch  
32,000 12 to 18 " 5,000 4 to 6 "

### BOX ELDER, ASH AND ELM SEEDLINGS IN SMALL GRADES.

The following list of Shade Trees on leased ground will be sold or burned.

Kind	Caliper Inch	Height Feet	Kind	Caliper Inch	Height Feet
100 (Sycamore)	1 $\frac{1}{4}$	10-12	100 Box Elder	1 $\frac{1}{2}$	10-12
100 "	1	8-10	200 "	$\frac{3}{4}$ -1	6-8
150 "	$\frac{3}{4}$	6-8	165 Elm	1-1 $\frac{1}{2}$	10-14
480 Ash	1 $\frac{1}{4}$ -1 $\frac{1}{2}$	10-12	800 "	$\frac{3}{4}$ -1	6-8
350 "	$\frac{3}{4}$ -1	6-8	600 "	$\frac{3}{4}$	5-8
190 Blk. Locust	1 $\frac{1}{2}$ -2	15 up	200 Spec. Catal.	2	12-14
50 "	1	12-15	100 "	1 $\frac{1}{2}$	10-12
50 Honey Locust	2	12-15	165 Jap.	2	10-12
60 "	1 $\frac{1}{2}$	10-12	160 "	1 $\frac{1}{2}$	10-12
20 "	1	8-10	65 "	1 $\frac{1}{4}$	8-10
150 Box Elder	3	15-18	100 "	1	8-10
300 "	2	12-15			

## The Winfield Nursery Co.

(Incorporated) WINFIELD, KANSAS.

J. MONCRIEF, Pres. E. S. MONCRIEF, Vice-Pres. R. I. LEMON, Sec'y-Treas.

## B. E. Fields & Son

Fremont Nurseries

Fremont, Nebraska

Offer for Spring, 1909

All Stock in cold storage

## Kieffer & Garber Pear

All Grades

Native Plum, Cherry, 1 and 2-yr. (sour sorts).

**500,000 Grapes, Concord and choice varieties**

Elm and maple, 12-18 in. only.

Large assortment of Field Grown Roses, Shrubs, Climbing Vines, Etc.

## CAROLINA POPLAR

1 and 2 yrs. Branched and Whips

## HONEY LOCUST

All Grades

Ash, Maple, Box Elder, Wild Black Cherry, Walnut Seedlings

Willow and Cottonwood Seedlings.

## BALTIMORE NURSERIES Franklin Davis Nursery Company BALTIMORE, MD.

We offer for Fall, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

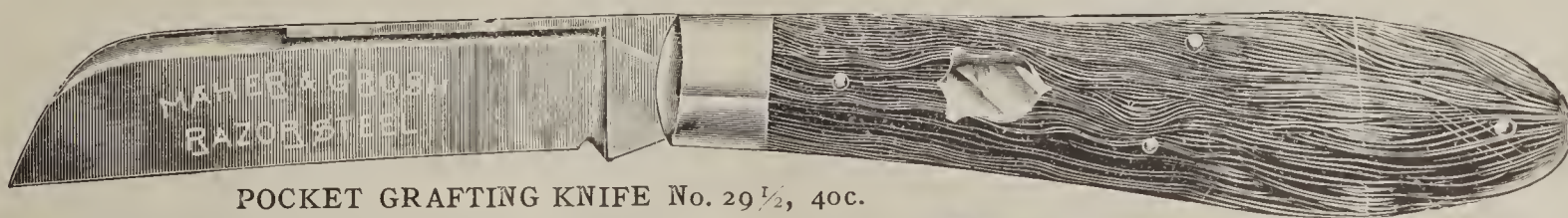
## LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Any orders for Spring should be sent without further delay. Compare prices quoted in last Fall's trade list. Address us or our

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The upper cut shows our medium grafting knife. Price, postpaid, 40c.: 6 for \$2.00, postpaid.

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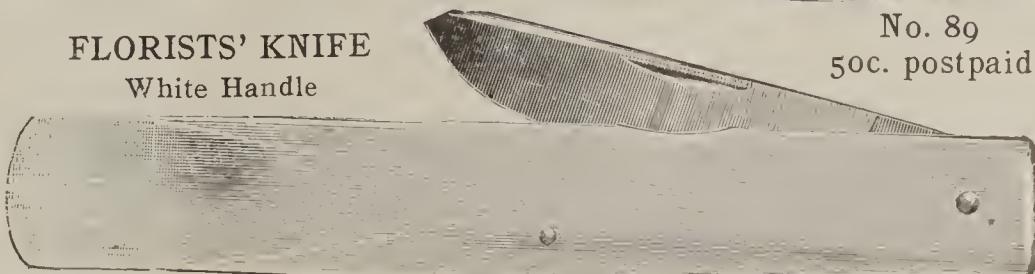
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White Handle



No. 89  
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Price and freight rates on application.

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Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

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## CHERRY

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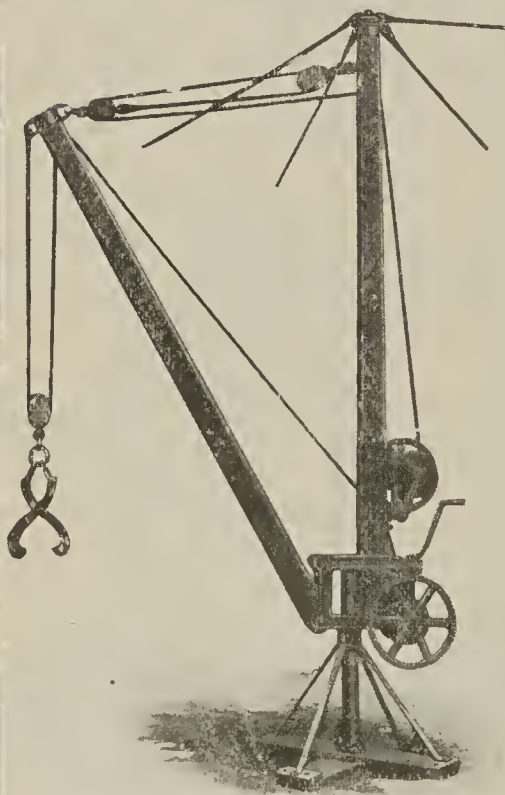
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Is the only practical Derrick  
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MADE IN TWO SIZES

No. 1, capacity, 1500 lbs.  
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They are light, portable and  
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Arbor Vitae, 2 to 10 ft.

Irish Juniper

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All in large sizes.

BLACK LOCUST  
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GOLDEN WILLOW  
in small sizes

Silver Maple, American Elm, Catalpa,  
Bungei, Cut Leaf Weeping Birch

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**The Farmers Nursery  
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TROY, OHIO

Nursery Stock grown at Dansville, N.Y. and Troy, O.



# Your Strawberry Plant Orders

FOR SEVERAL years I have been filling strawberry plant orders for a great many leading nurserymen. Most of these send me their shipping instructions and tags and I ship direct to their customers. As this seems to be the best way for nurserymen to have their strawberry plant orders handled I am preparing to greatly improve my facilities for this work and to make it one of the main features of my business. The additional charge made for handling orders in this manner is very small, just enough to pay the additional expense of billing out small orders. I also ship plants direct to nurserymen who wish to bill out their own orders.

The extensive improvements I expect to make this summer will enable me to give all nurserymen prompt, accurate and careful service.

If you buy strawberry plants get in communication with me before contracting for your next season's supply

**W. W. THOMAS**  
THE STRAWBERRY PLANT MAN  
**ANNA, ILLINOIS**  
200 ACRES IN PLANTS  
ASPARAGUS AND RHUBARB ROOTS  
NAMES OF NURSERYMEN WILL BE PROTECTED

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IF YOU ARE INTERESTED IN:

Box Elder, Elm, Soft Maple  
and Walnut Seedlings.  
Elm, Linden, Norway Maple  
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A GENERAL STOCK OF  
Althea,  
Barberry Thunbergii,  
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Purple Leaved Barberry,  
Persian and Purple Lilacs,  
Azalias,  
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Also a large stock of Cherry, Plum,  
Peach, Grapes, Currants and  
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Send for Spring List just issued.

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One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

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Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE, VERY GOOD PACKING.  
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Large stock of Apple 1 yr. Pear and Cherry. Write for prices.

## JAMES' SONS, Nurserymen Ussy, Calvados, France.

A General Assortment of Fruit Trees and  
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Prices Very Low. Packing Secured. Catalogue Free.  
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We have the Soil, the Climate and the Experience and can furnish a tree that can not be surpassed for Vitality or Size.  
Foliage all on our Trees August 1st as fresh and green as May insuring well ripened wood, the kind that will live when Transplanted.  
Splendid Tops and Fine Roots.

Cherry Being Our Specialty Can Furnish in 100,000  
Lots or Less, All Leading Varieties.

Two Year Cherry, 1 in. up XX Fancy One Year Cherry, 3-4 in. up  
" " 3-4 to 1 in. " " 5-8, to 3-4, and  
" " 5-8 to 3-4 & 1-2 to 5-8. 1-2 to 5-8.

CHERRY BUDS furnished on short notice, any quantity. General line of other Fruit Stock Ornamentals, Roses, Shade Trees, Weeping Trees, etc. Submit List of Wants for prices. Personal inspection invited.

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**QUILLIS NURSERIES,**  
Ottawa, Kansas offer for  
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1 Yr. No. 1 in good assortment,  
Teas Mulberry 2 Yr. heads, Cut  
Leaf Birch, also a general assort-  
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Stock is in storage and  
shipment will be made  
promptly on short notice

*Your Orders Solicited*

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**FOREST and HEDGE PLANTS**

**Dwarf Roses**

Price List and special offer on application.

**STARK BRO'S NURSERIES & ORCHARDS**  
**COMPANY**

CAPITAL STOCK \$1,000,000

**PIONEER NURSERIES OF THE WEST**

**Established 1825**

**Fourth Generation of Stark Nurserymen**

STARK  
DIGGERS  
are now  
furnished  
with a  
very heavy  
double  
edged  
blade of  
highest  
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crucible  
steel ;  
prevents  
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and spring.  
A boy  
can pull  
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loosened by  
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Thrown  
in or out of  
the ground  
quickly,  
without  
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lifting.  
Easily  
turned.  
Moved  
from one  
location  
to another  
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wheels.  
Used by  
many of  
the leading  
nursery-  
men; has  
always giv-  
en satis-  
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Write for Descriptive Circular and Prices

**General Office, Nurseries, Packing Houses**  
**LOUISIANA, MO.**

BRANCHES { Starkdale, Mo. Rockport, Ill. Atlantic, Ia.  
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**Storage Capacity 1,000 Car Loads**

**A GENERAL LINE OF NURSERY STOCK**

**STRAWBERRY !**

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Strawberry Plants.—We are growing 80 acres of 100 varieties, all the best old and new sorts. We are growing them on new land and can guarantee the best plants possible for the money.

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We also have 1,000,000 Asparagus plants, 100,000 Rhubarb, and all other small fruit plants. Address

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An immense stock of all the **hardiest** known kinds, 2 to 3½ feet, **fine plants**, all home grown, many being on **own roots** far better than grafted stock.

**Rhodo.** Catawbiense Seedlings of all colors. This is the **Nursery** in which most of the **Rhodo's** that have **proved hardy** in **America** were raised.

Seedling hardy **Azaleas** not to be obtained elsewhere.

**Golden Yews, Kalmias**, and other **hardy plants** in great variety and of all sizes.

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# Evergreen and Forest Tree Seedlings

in Large Quantities

A FULL LINE OF

Specimen Evergreens  
Ornamental Trees  
Shrubs

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WAUKEGAN, ILLS.

Established 1848

Complete General Stock  
Nearly All in Storage

## Cherry Trees

**Number One**

Healthy New York Grown  
**Special Low Price**

**Concord Grapes, 1 and 2 Yr.**

Strong, well rooted vines. Will meet competition.

**Imported Fruit Tree Stocks**

Mahaleb, Mazzard, Myrobolan and Pear.

All grades, now ready to ship.



ASK FOR WHOLESALE PRICE LIST

**The Shenandoah Nurseries**

D. S. LAKE, Proprietor.

SHENANDOAH, IOWA

## Eastern Nurseries

HENRY S. DAWSON, MANAGER

—FOR—

Ornamental Trees, Shrubs,  
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OF ALL KINDS.

OFFICE, 1090 CENTRE STREET, JAMAICA PLAIN, MASS.  
NURSERIES AT HOLLISTON, MASS.

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I MAKE A SPECIALTY OF HARDY NATIVES  
SOME OF MY LEADERS ARE:

AZALEA CANESCENS—New  
The sweet scented pink variety. | ALTHEA CRESTED BEAUTY  
Best deciduous hedge. Very florif-  
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Andromeda in var.	Ilex in var.	Sweet and Sour Gums.
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Cercis Canadensis.	Sassafras.	Plumbago larpentae.
Cornus florida.	Spiraea van Houtteii.	Stokesia cyanaea, etc.
Euonymus radicans.	Sycamore, European.	Dahlias in best cut flower varieties.

My catalogue gives a complete list.—Ask me to quote on that lot of  
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TAK-A-NAP SOFT NAPHTHA SOAP.

MIXES EASILY IN COLD WATER, MAKING PERFECT KEROSENE  
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**NORWAY MAPLES AND  
ORIENTAL PLANES  
FOR LINING OUT**

Stocky, well-rooted plants about 2 to 3 feet. Very  
cheap and is a good investment as there is always a big  
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**Send for Our New Spring Catalogue**

It quotes an immense assortment of hardy trees, shrubs,  
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**"Red Star" Raffia is still the Best**

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Arborescens grandiflora (sterilis)  
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Grown especially for the Nurserymen's Retail Trade. Colored Plates free. Attractive circulars at cost.

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EXTRA SELECTED STOCK

Several hundred one and two year plants left. Also full line of ornamental and fruit stock.

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3,000 Cherry, 2 yr. 3-4 and up.  
1,000 " " 5-8 to 3-4.  
2,000 " " 2 to 3 ft.  
1,000 Silver Maple 1 inch, 8 to 9 ft.  
1,000 Catalpa Speciosa. 1 to 1 1-2 in. 8 to 9 ft.

Write for our lowest prices.

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Time, Labor  
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30,000 Two year Cherry, strictly first class in the different sizes. Get our prices.

Also have several thousand Pear, two year, largely Keiffer.

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are my leading specialty. Our soil and climate is acknowledged to be especially adapted for producing healthy, thrifty trees with an abundance of fibrous roots. My stock includes "Everything in Evergreens" from millions of small seedlings and transplants to well formed specimens 2 ft. to 20 ft. in height. In most varieties we have immense quantities in sizes that are just right for growing on, two and three year transplanted stuff with good roots and an abundance of them. You will be surprised how little money is necessary to build up a good stock of evergreens, and you don't have to figure on much loss when buying Hill's Evergreens, if you do your part. NOW is a GOOD TIME to stock up.

*I also make a specialty of growing*

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in immense quantities such as European Larch, Catalpa, Black Locust, American Elm, American Linden, Horse Chestnut, Sweet Chestnut Hard Maple, Norway Maples, Red Oak, White Oak, Burr Oak, Chestnut Oak, Black Oak, Birch, Beech, Ash, Box Elder, etc.

*In addition to the above I have a complete line of*

### Deciduous Shade Trees

of all the most important varieties. Several blocks of Elm 2 1/2 to 5 inches in diameter with extremely well formed tops and straight trunks. A fine lot of Linden.

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"Dundee Grown" Trees Have Been Famous for Over Half a Century.

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## Hardy Perennials

(Largest Stock in Europe), DWARF ROSES, specially new sorts, STOCKS of ROSES, RHODODENDRONS, many new sorts as Pink Pearl, etc. COLORADO BLUE SPRUCES, enormous stock, CURRANTS, new sorts, etc.

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Gypsophila paniculata fl. pl.  
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Papaver, Phlox and Pyrethrums.  
Tunica Saxifraga, fl. pl. etc. etc.

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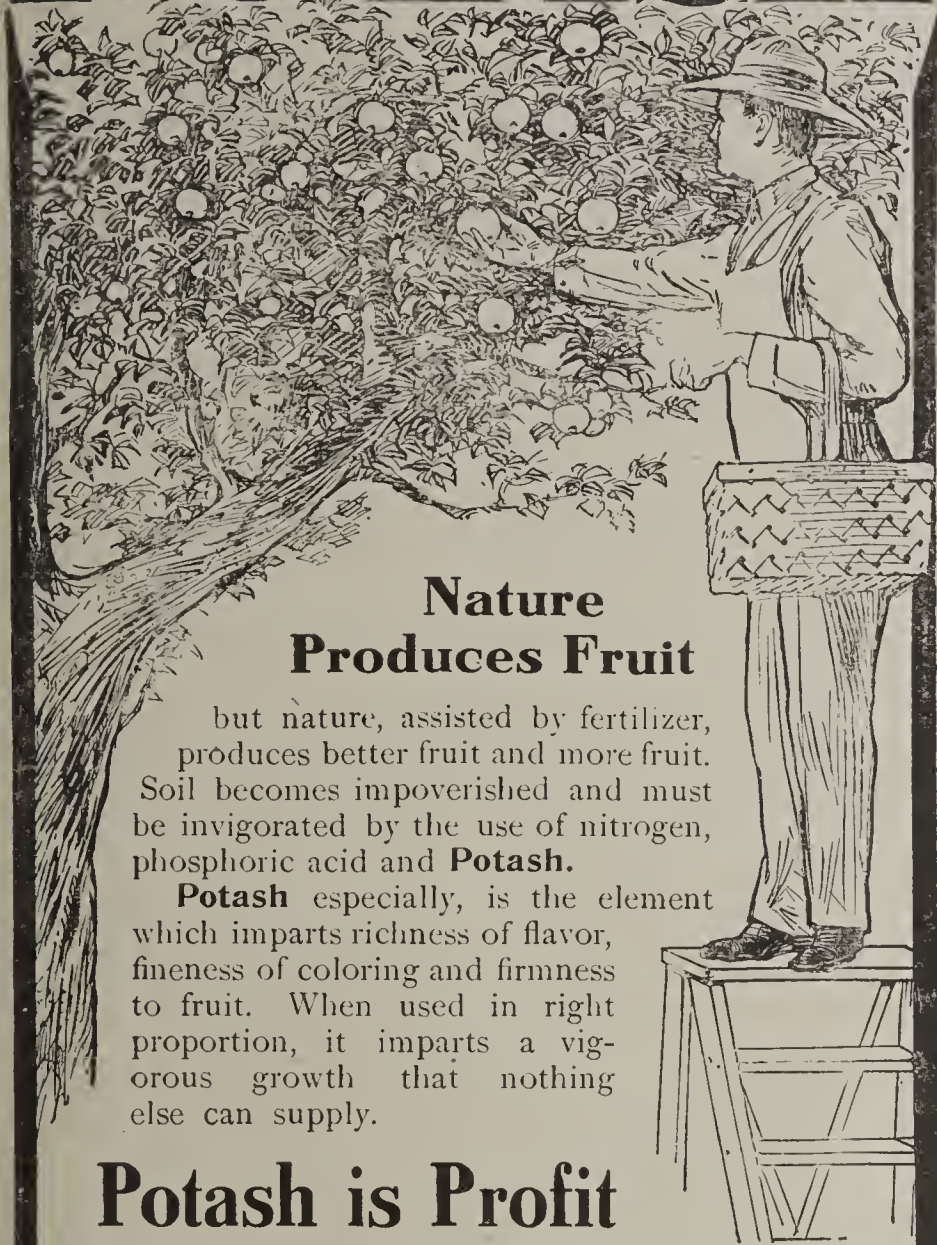
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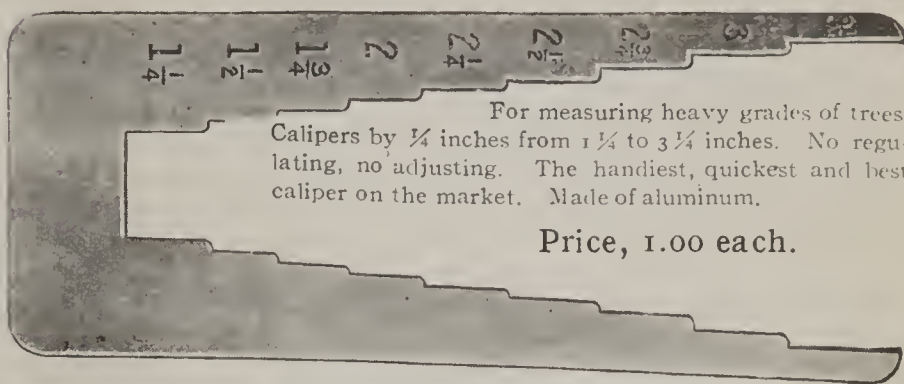
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For measuring heavy grades of trees. Calipers by 1/4 inches from 1 1/4 to 3 1/4 inches. No regulating, no adjusting. The handiest, quickest and best caliper on the market. Made of aluminum.

Price, 1.00 each.

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Exactly like the above, but calipers only from 2-16 inch up to to 1 inch.  
Price, 65 cents each.

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Very fine. Samples if desired.

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## Try Highland Strawberry Plants

We have a large stock at prices that will surprise you. They are fine. We give a year's subscription to a good magazine with each order amounting to \$1. Send for free catalogue of standard and new varieties of **STRAWBERRIES**.

**LAKE VIEW NURSERY, Box 34.**

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**For Sale.** One of the best Nursery, Seed and Greenhouse business propositions on the Pacific coast. Rapidly increasing trade. Satisfactory reasons for offering for sale. No use corresponding unless you have \$10,000 or \$15,000 to invest as a starter.

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6,000 Swiss Stone Pine Seedlings, 3 and 4 yrs.  
2,000 " " " " 6 to 8 in., 2 yrs. tr. and larger sizes twice tr.  
1,000 Mugho Pine, 6 in. high, 6 in. broad, twice tr., round and compact, larger sizes twice tr.  
Engelman Spruce, 9 to 12 in., twice tr., larger sizes.

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## HARDY NEW ENGLAND GROWN NURSERY STOCK

**W**E grow a general assortment of Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc. Prices reasonable. Wholesale Trade List for the asking.  
**BAY STATE NURSERIES, North Abington, Mass.**



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Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolus, Cannas and Dahlias  
Nurserymen Should Try My Simplex Tree Baler  
IT DOES THE WORK. PRICE \$16.00.  
Special 20,000 California Privet.

North Carolina

Natural

# PEACH



# SEED

Write for sample  
and special prices.

Clark Nursery Co.  
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"You Get What You Order."

## PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED, crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,  
4th Ave. & Clinton St., BALTIMORE, MD.

### Rhodes Double Cut Pruning Shears

MADE IN ALL STYLES  
AND SIZES

We pay express  
charges on all  
orders.

Write for circulars  
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GRAND RAPIDS, MICH.



POLE  
PRUNER  
10 FT.  
POLE

## PEACH SEED

I still have a few hundred bushels of 1907 crop peach pits. Special prices to close them out. Write

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## Budded Pecan Trees

Japan Persimmon, Japan Walnut,  
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

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JACKSONVILLE, FLA.

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ONLY BY THE WHOLESALE

Let me send you my list of OVER ONE HUNDRED Best Varieties.  
J. F. ROSENFELD, WEST POINT, NEBR.

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400 best sorts

# ROSES

for lining out.

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for our

THE LEEDLE FLORAL COMPANY®  
SPRINGFIELD, OHIO.

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IRONSHIRE, MARYLAND

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Wm. M. Peters' Sons, Snow Hill, Md.

Bell Telephone connections in office.

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Offer for Spring 1909

Peach Trees of all the leading varieties,  
California Privet and Grape Vines

Send in your list of wants for Special Prices.

Grand stock of specimens

GROENEWEGEN & SON

ROYAL NURSERIES

DE BILT near Utrecht HOLLAND

London Planes,  
Acer Schwedleri,  
Lime Dasystylla,  
Horse Chestnuts—red  
and white flowered  
Thorns—Paul's Scarlet,  
Large leaved Elms, Etc.

Catalogue 1909 now ready,  
will be sent on  
application.

## For Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

## Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

## Hedge Plants, California and Amoor River Privet

We offer the trade nearly a million plants in the above for Fall and Spring delivery. Write for wholesale price list. We have fine well branched stock, grown especially for the Nurserymen's Retail trade, and offer prompt and satisfactory services. We have also 50,000 Soft Maple Seedlings, some Carolina Popular and American Sycamore in surplus, with other ornamental stock. Trade list ready August the first.

VALDESIAN NURSERIES,

Bostic Department, Bostic, North Carolina.

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# PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST  
COMPLETE ASSORTMENTS OF STOCK FOR

## Nurserymen and Florists

in the United States, including Fruit and Nut Trees,  
Deciduous and Evergreen Trees and Shrubs, Roses,  
Hardy Vines, and Plants, Small Fruits and Grape  
Vines, Tender Plants, Bulbs and Seeds. . . . .

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof cellar. Orders booked early for cellared stock will be set aside and held for shipment.

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### Roses—

Hybrid  
Perpetual  
Ramblers,  
Climbers,  
Etc.,  
in large supply.

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.



MARCH TREE BOX.

Pleased to price your list of wants or to show you our stock. Special inducements on car lots. If you have not received our fiftieth anniversary descriptive catalog, send for it. Catalogs and Price Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

*The* **STORRS & HARRISON Co.**  
PAINESVILLE, OHIO



# TREES

Fruit and Ornamental.

**Shrubs  
Evergreens  
Roses  
Hardy Plants**

All the Best and Hardest Varieties.  
Largest and most varied Collections in  
America. Illustrated Descriptive Cata-  
logue mailed **FREE** on request.

**ELLWANGER & BARRY,**

Nurserymen—Horticulturists,

**MOUNT HOPE NURSERIES,**

Established 1840.

Rochester, N. Y.

## THE GENEVA NURSERY

### SPECIAL OFFER

Apple, Quince, Pear, Cherry,  
Peach, Plum.

Well graded in all grades

Headquarters for Fruit and Ornamental  
Trees, Shrubs, Berries, Phlox, Clem-  
atis, Evergreens, Peonies,  
Azaleas, Rhodo-  
dendrons.

### ROSES

BUDDED AND ON OWN ROOTS

CUT LEAF BIRCH, EUROPEAN WHITE BIRCH,  
SPIREA VAN HOUTTE, BARBERRY  
THUNBERGII

WRITE FOR OUR SPECIAL PRICES

Special attention given to Dealers' Complete Lists and Carload Lots

**W. & T. Smith Co.**

Established 1846

Geneva, N. Y.

700 ACRES

When writing to Advertisers mention The National Nurseryman

"When in doubt, lead TRUMPS."

That's Whist.

When in doubt,—About Stock—try

"J. & P." That's Sense!

Of course, if you're familiar with Newark Grades and Prices, you won't be in doubt; certain specialties grown here have become known to the Trade the country over. They are ROSES, CLEMATIS, TREE HYDRANGEAS, TREE LILACS, AMPELOPSIS VEITCHII. While we have booked orders for immense quantities of these items, we grow them in big blocks and can still take care of further orders for Spring. Can't you send us YOURS? We shall be glad; you will, too, when you get the stock. In these specialties, we grade right up to the HIGHEST STANDARD—and that is the J. & P. STANDARD—the reputation we have established in these lines. We grow a general stock as well. TRY US.

NEW LIST NOW READY. SEND FOR COPY.

**Jackson & Perkins Co.**

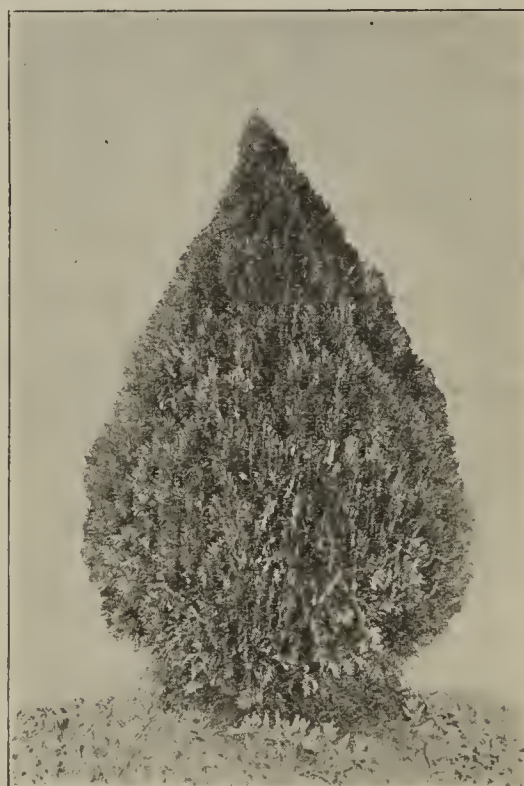
"The Preferred Stock"

Grown at NEWARK, in WAYNE CO., NEW YORK STATE

## BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall delivery, from 10 inches to 3 feet.



ALTHAEA  
MEEHANII

(Hibiscus Syriacus)  
(New variegated  
single flowering  
Althaea).

Field grown  
DOROTHY  
PERKINS,  
CRIMSON  
RAMBLER,  
and MARIE  
PAVIE Roses.  
AZALEA

INDICA,  
CAMELLIA,  
MAGNOLIA  
grfl.

WIER'S  
MAPLE,  
TEAS,  
MULBERRY,  
TULIP

POPLARS,  
all first class.

Send for prices.

**P. J. BERCKMANS CO. Inc.**

FRUITLAND NURSERIES,

::

AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman.



# PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST  
COMPLETE ASSORTMENTS OF STOCK FOR

## Nurserymen and Florists

in the United States, including Fruit and Nut Trees,  
Deciduous and Evergreen Trees and Shrubs, Roses,  
Hardy Vines, and Plants, Small Fruits and Grape  
Vines, Tender Plants, Bulbs and Seeds. . . . .

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in. Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

### Roses—

Hybrid  
Perpetual  
Ramblers,  
Climbers,  
Etc.,  
in large supply.

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.



KOSTERS BLUE SPRUCE.

Pleased to  
price your list  
of wants or to  
show you our  
stock. Special  
inducements  
on car lots. If  
you have not  
received our  
fiftieth anni-  
versary de-  
scriptive cata-  
log, send for  
it. Catalogs  
and Price  
Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

*The* **STORRS & HARRISON Co.**  
PAINESVILLE, OHIO



# Violet Blue Rose

## A Remarkable Novelty

**T**HE NEW Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy.

For descriptions of this great novelty, as well as many others, send for Booklet.

## Ellwanger & Barry

*Mount Hope Nurseries*  
Rochester, N. Y.

## THE GENEVA NURSERY

### SPECIAL OFFER

Apple, Quince, Pear, Cherry,  
Peach, Plum.

Well graded in all grades

*Headquarters for* Fruit and Ornamental  
Trees, Shrubs, Berries, Phlox, Clem-  
atis, Evergreens, Peonies,  
Azaleas, Rhodo-  
dendrons.

### ROSES

BUDDED AND ON OWN ROOTS

CUT LEAF BIRCH, EUROPEAN WHITE BIRCH,  
SPIREA VAN HOUTTE, BARBERRY  
THUNBERGII

WRITE FOR OUR SPECIAL PRICES  
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50,000 shapely plants of this popular conifer for fall delivery, from 10 inches to 3 feet.



### ALTHAEA MEEHANII

(Hibiscus Syriacus)  
(Newvariegated  
single flowering  
Althaea).

Field grown  
DOROTHY  
PERKINS,  
CRIMSON  
RAMBLER,  
and MARIE  
PAVIE Roses.  
AZALEA

INDICA,  
CAMELLIA,  
MAGNOLIA  
grfl..

WIER'S  
MAPLE,  
TEAS,  
MULBERRY,  
TULIP

POPLARS,  
all first class.  
Send for prices.

## P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES, :: AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman.



# MUSHROOM SPAWN !!!

**Now is the Time to Book Orders for 1909 Stock**

All Growers of Mushrooms should buy their SPAWN direct from JOHNSON'S, LTD., who are the chief makers and growers of Mushrooms in England. Their Spawn-bricks are scientifically inoculated with fine Virgin Spawn.

PRICES AND PARTICULARS ON APPLICATION

Send Nine Pence (36 cents) for our new book on Mushroom Culture.

ADDRESS ALL CORRESPONDENCE TO

**JOHNSON'S, Ltd.** 44 Bedford Row, LONDON, ENG.

(Mushroom Farm and Spawn Manufactory, TWYFORD ABBEY, LONDON, N. W., ENGLAND.)

## Surplus Stock for Spring 1909

Apples,  $\frac{3}{4}$ ,  $\frac{5}{8}$  and  $\frac{1}{2}$  inch, in fair assortment.  
Peaches, 11-16, 9-16 and  $\frac{1}{2}$  to  $\frac{3}{8}$ , good assortment, fine stock.

Pears, Cherries, Plums and Quinces.  
Japan Walnuts, Black Walnuts and Pecans.  
American Ash, White Birch, Catalpas, White Dogwood, Maples, Oaks, Poplars, American Judas, Salisburia, Sweet Gum, Tulips, and other shade trees.

A large stock of American Arbor Vitæ and Norway Spruce in sizes, 1-7 feet.

Douglas, Hemlock and White Spruce, Pines and Retinisporas.

A good assortment of Shrubbery.  
California Privet in sizes from 1-3 feet.

SEND LIST OF WANTS FOR PRICES.

**The Rakestraw-Pyle Co.**  
KENNETT SQUARE, PA.

## You Admit it Pays to Spray

OBTAINING THEN IT PAYS TO USE THE VERY BEST SPRAYING MATERIALS PRODUCED—IF THE PRICES ARE RIGHT.

HEMINGWAY'S "LONDON PURPLE"  
HEMINGWAY'S LEAD ARSENATES  
"THEY'RE TWO BIRDS"



EITHER OF THEM WILL KILL THE BUG

WE PRODUCE THE BEST AND AT THE SAME TIME THE CHEAPEST. We have a 31 years' experience and reputation behind us and many hundreds of splendid unsolicited testimonials.

Thousands of tons of "London Purple" have been used in this country alone. Our largest customers a quarter of a century ago are our largest customers today. Both "London Purple" and Hemingway's Lead Arsenate are put up in every variety of package and should be obtainable at your dealers. If not, write to us direct, giving us the dealer's name and we will see that you are supplied.



Highest Award New Orleans 1884  
Highest Award Crystal Palace, London, 1891  
Gold Medal, St. Louis, 1904

**HEMINGWAY'S "LONDON PURPLE" CO., LTD.**  
133 FRONT STREET, NEW YORK.





HEADQUARTERS, THIRTY-FOURTH ANNUAL CONVENTION AMERICAN ASSOCIATION  
OF NURSERYMEN.



# The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

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Vol. XVII.

ROCHESTER, N. Y., APRIL, 1909

No. 4

## THE THIRTY-FOURTH ANNUAL CONVENTION OF THE AMERICAN ASSOCIATION OF NURSERYMEN

June 9, 10 and 11, 1909.---Hotel Seneca, Rochester, N. Y.

**Nurserymen May Look Forward with Confidence to the Realization of the Greatest Convention in the History of the Association. Rochester Nurserymen who are Hosts on this Occasion May be Counted Upon to Make Good. The Region Abounds in Features of Interest to the Plantsman. Every Visitor Can Feel Assured That His Time May be Profitably and Pleasantly Employed.—President C. J. Brown Has Appointed the Following Committees to Care for the Details of the Convention.**

### COMMITTEES

COMMITTEE ON FINANCE—Wm. C. Barry, Irving Rouse, Nelson Bogue, Geo. C. Perkins, Geo. S. Josselyn, Theo. J. Smith, John B. Morey, Wm. J. Maloney.

COMMITTEE ON SMOKER—E. S. Osborne, Charles L. Yates, O. G. Chase, J. M. Pitkin, O. E. Graham, Walter W. Wyman, Charles H. Vick.

COMMITTEE ON RIDES, EXCURSIONS AND LONESOME ROADS—Chas. J. Maloy, M. B. Fox, B. F. Allen, F. E. Grover, Charles H. Hawks, R. D. Luetchford, A. L. Wood.

COMMITTEE ON ENTERTAINMENT OF LADIES—Horace Hooker, R. G. Salter, J. F. Dale, E. S. Mayo, A. A. Mosher, Thos. F. Brown, C. H. Chase, Mrs. C. J. Brown, Mrs. G. C. Seager.

COMMITTEE ON DECORATIONS—A. H. Salter, J. M. Charlton, Geo. F. Crosman, J. M. Keller, Fred W. Vick, Fred Schlegel.

EXECUTIVE COMMITTEE—Wm. Pitkin, J. M. Pitkin, Charles J. Brown, Charles J. Maloy, E. S. Osborne, Horace Hooker, Wm. C. Barry, A. H. Salter, Geo. C. Seager.

PRESS COMMITTEE—H. C. Goodwin, Prof. John Craig, Chas. A. Green.

GENERAL RECEPTION COMMITTEE—Every Nurseryman in Western New York.

### HEADQUARTERS

The new Hotel Seneca has been made headquarters. It is one of the finest in the United States and affords better facilities for such a gathering than have heretofore been offered to our members.

The rates agreed upon are given as follows:

40	rooms,	\$1.50	per	day,	one	person;	two,	\$2.50	per	day.
50	"	2.00	"	"	"	"	"	3.00	"	"
60	"	2.50	"	"	"	"	"	3.50	"	"
50	"	3.00	"	"	"	"	"	4.00	"	"
40	"	4.00	"	"	"	"	"	5.00	"	"

Three persons can be accommodated in the three and four dollar rooms, in which case the three dollar rooms would be \$5.00 per day for three persons, and the four dollar rooms \$6.00 per day for three.

Club breakfasts and luncheons served in Men's Grill Room from 50 to 75 cents per person.

### Secretary Seager says:

"Almost every year there have been difficulties as to reservations and accommodations. It is hoped to avoid them this year. Immediately on receipt of this circular, write the Secretary, Geo. C. Seager, Rochester, N. Y., making such reservations as you wish. These reservations will be made in the order received. If you are willing to double up, two or three in a room, one in a bed, so state. The rate in this way, as you will note in the letter of the hotel is better. In case rooms at rate you prefer are taken, shall we reserve a higher price room? We have a large number of rooms guaranteed and the higher priced rooms will be reasonable when two or more occupy a room. The list will be turned over to the hotel June 1st, and those who do not reserve before that date will have to take chances with the hotel after that time.

Meals will be served on the European plan, but the cost of meals and your room will not average higher than most have been paying on the American plan. Upwards of 400 can be taken care of at the Seneca, and if we have more than that number which will probably be the case, there are other hotels in the immediate neighborhood."

### PROGRAM

"The program is not to be crowded this year. The committee has decided to give more opportunity for social and business intercourse. It is proposed to have one session each day from 9 o'clock in the morning until 12:30 in the afternoon. There are many things of interest for the nurserymen in Rochester, and it is planned to give ample opportunity for seeing them."

Mr. J. M. Pitkin, chairman of the Program committee writes that:

"Our list of speakers include Dr. W. H. Jordan, Director New York Agricultural Experiment Station, Geneva; Mr. T. B. Wilson, of Halls Corners, N. Y.; Hon. Raymond A. Pearson, Commissioner of Agriculture of State of New York; J. H. Dayton, Painesville, O.; E. S. Osborne, Rochester, N. Y.; J. W. Hill, Des Moines, Ia.; Samuel C. Moon, Morrisville, Pa.; Geo. S. Josselyn, Fredonia, N. Y."



The Program Committee are AT IT and hope to have a good list.

Director Jordan besides being Director of an Experiment Station is an agricultural chemist of repute and an exceedingly forceful speaker. Commissioner Pearson has established a national reputation as an expert on Dairy Sanitation and has been in close touch with nurserymen in connection with inspection of nursery stock, while Mr. T. B. Wilson is a successful farmer and apple grower of Ontario County. The other speakers are well known nurserymen.

#### THE EXHIBITS

"These have become a very important feature of our meetings, and arrangements for ample space have been made at Hotel Seneca. Exhibits are invited from nurserymen and manufacturers of tools, implements or anything else by nurserymen. Early application for space should be made to Mr. Thos. B. Meehan, Dresher, Mont'g. Co., Pa., Chairman of Committee on Exhibits.

#### SPECIAL RAILROAD FARES

The Trunk Line Association, Central Passenger Association and Eastern Canadian Passenger Association have authorized the announcement of a fare and three-fifths on the certificate plan, and it is expected that Western and Southern Associations will participate.

Every persons should request a certificate (not a receipt) from the agent when purchasing a ticket.

Certificates are not kept at all stations. You should enquire early at your home station and get advance information as to the nearest point where certificate can be obtained. You can purchase local ticket to that point and there purchase through ticket and get a certificate."

This is the whole story up-to-date. Make your plans to be a part of this coming conference. You will not regret it.

#### THE BADGE BOOK AND MEMBERSHIP.

Secretary Seager again calls attention in his circular letter on the annual meeting to the advantages of advertising in the badge book and taking membership in this national organization. No nurseryman can afford to stay out. Membership is pleasant. Besides, it pays. The benefits accruing to all nurserymen in decreased freight rates and information regarding unjust and inconsiderate state legislation are far reaching. Isolation wrecks many a business. Business co-operation should be the watchword. Join the Association. Send Geo. C. Seager, Secy. American Association of Nurserymen five dollars for annual membership fee, ask him to reserve a room for you, come, meet old friends, make new ones. Go do some business; get new ideas and go home with more faith in your calling and a large supply of inspiration for the year to come.

#### FUNGOUS DISEASES OF SCALE INSECTS AND WHITE FLY.

The plan of controlling noxious insects and dangerous fungous diseases by attacking them with natural parasites, is not new, but only recently is the system being adapted to the particular needs of the orchardist. The bulletin recently published by the Florida Experiment Station describes the diseases which attack certain scale insects which are serious enemies of the orange and also diseases which attack the white fly, an insect causing immense damage to

citrous interests in practically all parts of Florida at the present time. This same insect has caused considerable damage to certain crops grown under glass in the North. The insect is fortunately attacked by a natural outdoor enemy in Florida, in the form of a fungus. This fungus has not, however, been generally distributed and the efforts of the Experiment Station are now being directed toward the proper distribution of this natural enemy of the fruit industry. Plans are making for the propagation of the parasitic disease and for its distribution where it does not already exist. Such experiments as have been conducted give warrant for belief that the white fly and several of the scale insects may occupy an important place in controlling several of these serious enemies of fruit culture.

It has been found that one of the fungi called the "Red Headed Fungus" will live on San José scale as far North as New Jersey. While it did some good there in the way of reducing scale, it could not be said to flourish in a very satisfactory manner. Arrangements are making for the propagation of a constant quantity of these fungi and the addresses of the propagators of the parasite are given in Bulletin No. 94 of the Florida Experiment Station.

#### BUSINESS MOVEMENTS.

Jackson & Perkins of Newark, N. Y., are registering a new variety of Clematis which is described as a cross between *C. paniculata* and *C. viticelli rubra*. It is to be introduced under the name of *C. paniculata rubra*.

We consider the NATIONAL NURSERYMAN indispensable to our business, its advertising columns alone being worth many times the subscription price as a reference guide in the purchasing of high grade nursery stock.

It pays to consult the advertising columns of the NATIONAL NURSERYMAN.

Kalamazoo, Mich.

PRUDENTIAL NURSERY CO.

"Your magazine is a credit to the nursery interests of this country."

ALTON E. RANDALL.

"I am well pleased with the NATIONAL NURSERYMAN and cannot get along without it."

GEO. H. WHITING.

A sample copy of the NATIONAL NURSERYMAN has been received. It contains much useful and valuable data. It will assist me a great deal in keeping in touch with the progress in nursery work.

Enclosed find money order for one (\$1.00) dollar, for one year's subscription.

Very truly yours,

B. R. H. d'ALLEMAND, *Acting Supervisor*

"A wise man who made a little improvement each day, found at the end of the year a revolution in his business."

The Tennessee Wholesale Nurseries, Winchester, Tennessee, has recently been incorporated with a capital of \$60,000, the following gentlemen signing the charter: N. W. Hale, H. N. Camp, J. L. Deaver, A. I. Smith, and E. W. Chattin, the new firm taking over all of the property of J. C. Hale, who formerly owned the nursery consisting of over 1,000,000 peach buds, and 700 acres of land. This is the largest nursery in the State and said to grow more peach trees than any one concern in the world.



# THE ANNUAL MEETING

## Make Plans to Come to Rochester. Suggestions for the Program Committee

At the Request of the National Nurseryman Several Nurserymen Have Been So Kind as to Remind Us of Topics That Might be Discussed with Interest and Profit at the Annual Meeting. Opinions as to the Number and Character of the Daily Sessions are also Presented. We Feel Sure That the Program Committee Appreciates this Mark of Interest on the Part of Our Correspondents and will be Able to Make Good Use of the Suggestions.

### MORNING AND EVENING SESSIONS.

In a general way would say it would be best to have morning and evening sessions only and leave the afternoons to sight seeing, visiting and general sociability. Many of the visitors will want to see the wonderful nursery cellars and their equipments for regulating temperature and moisture, assembling of stock, packing, etc. They will want to see the great variety of ornamentals and how they are started, grown and handled. Some may want to see the Genesee Falls and go down the river to Charlotte Beach. A business session in the morning and a scientific lecture illustrated by the magic lantern is probably all that most members care for in this line.

Fredonia, N. Y.

LEWIS ROESCH.

### SHORT PAPERS.

In regard to the programme for the next June meeting to be held at Rochester, our opinion is that the programme should be made up of as few long papers as possible. We have noticed that the members are most largely interested and can be held together better when the talks are short and on interesting topics. There are many points of interest that the members will desire to see in and about Rochester and we believe that the meetings will be best attended and the members most interested in the shorter talks.

Fredonia, N. Y.

T. S. HUBBARD CO.

### REGULATED OUTPUT.

If any suggestions could be presented to that meeting that would enable Nurserymen to avoid the serious consequences of long wet spells on the one hand, and long dry ones on the other and so as to more nearly equalize the product of our seasons one with another, I am sure that such suggestions would be very helpful. As matters now are we have sometimes a favorable season that brings a considerable surplus that Nurserymen can scarcely dispose of even at cost. This will be followed by unfavorable years in which we fail to secure a crop that would pay cost of production at any price and so we are subject to loss in both ways. You know the present unfavorable conditions the last few years in the matter of raising apples here in the west, and the present price of apple trees illustrates this point very strongly. We all of us very strongly appreciate the helpfulness we get in the meetings of the National Nursery

Association and are glad to credit those who have these matters in charge for the assistance that comes to us through their efforts.

Ottawa, Kans.

A. WILLIS.

### A VOICE FROM MISSOURI.

We are quite sure nurserymen generally will be interested in methods of producing, and of marketing; and the raising of the standard of propagation, grading, and everything, to a higher plane. We believe they will also be interested in the discussions of prices commensurate with cost, risks, etc., in comparison with other lines. All of these points are of vital interest to the trade, and while we believe that low prices are almost a thing of the past, yet there are some in the trade still clinging to old time methods and ideas, who still make a business of quoting trade prices to retail buyers, an old practice which can probably be improved only by education.

In addition to growing stock of higher quality, greater care and skill must be used in handling it, so as to put it in the planters' hands in the best possible condition. Discarding undesirable sorts, and educating the public to better and improved varieties is a matter of the most importance and more attention should be given it. This subject is now receiving greater attention in the far west than ever before, because they realize that it is one of vital interest, meaning either success or failure to the orchards. They are realizing that they must grow high quality sorts, that will command highest prices and sell at a profit when the ordinary run of sorts may yield the grower, packer, and shipper only disappointment and loss, instead of success and profit.

STARK BRO'S. NURSERIES & ORCHARDS CO.,

WILLIAM P. STARK, Treas.

### CONSIDER LEGISLATION.

I think the subject of horticultural laws should be thoroughly discussed and some features in connection with these laws gone into very carefully. This subject is probably brought to the notice of the Pacific Coast nurserymen more directly than it is to our friends in the east, as horticultural laws appear to be especially stringent and unfair here in the Pacific Coast states. For instance, the state of Washington not only makes the nurseryman put up a bond, but, in addition, take out a license, and also a license for each agent employed in that state. It does not matter if this



license has only been taken out a few weeks or months previous to the expiration of the nurseryman's license, which runs for two years, a new one must be taken out for the agent at the beginning of the new term. Again, if an agent only works a few weeks, the license has to be paid for, and is of no value afterwards.

In the state of California they have a clause in the horticultural law that allows the inspector to quarantine nursery stock on the mere presumption that it is affected with some injurious disease or insect without the actual presence of the insect being shown on the trees. This works a hardship upon the nurseryman equal to the loss of his nursery stock in sections where the inspector is prejudiced, for the most of the nursery stock, after being quarantined fourteen days in the state of California can never be delivered to the original customer, even though there is no disease whatever upon it.

Then, again, they have county laws in the state of California compelling nurserymen to take out heavy bonds to do business in separate counties. No doubt these various phases of the horticultural law in these different states would be shown to be unconstitutional if carried through the Supreme Court, but the individual nurserymen is hardly able to take care of these cases himself, and it is our opinion that the American Association of Nurserymen should pay more attention to the horticultural laws in the Pacific Coast.

#### A PACIFIC COAST MEETING.

At this time, we would like to suggest that the next meeting of the American Association of Nurserymen after the meeting at Rochester, be held at Portland, on the Pacific Coast. We believe we have reached the time in our history that if the Association is going to actually represent the nurserymen of the whole United States, a meeting should be held on the Pacific Coast. This matter has been put off from time to time, and we think we now have reached the period in the existence of the Association when it is due the nurserymen of the Pacific Coast that the Convention be held at some point convenient out here in the Western country, and we believe that Portland is the most central point for such meeting. At this time, therefore, we want to put ourselves on record as placing before the Convention the name of Portland, Oregon, as the next meeting place for the Convention.

OREGON NURSERY COMPANY,  
M. McDONALD.

#### SHOULD CONSIDER FEDERAL LEGISLATION.

I believe we made a great mistake last summer when we agreed to cease our efforts to have federal legislation looking to the restriction of the trade in stock infested with disease and dangerous insects. I notice that the Federal Government is very busy and very generous in paying out money whenever the animal industry is in the least danger. That is all looked after without much, if any expense to the men in the trade, while in the nursery business little is done and that is mostly paid for by the nurserymen themselves. I do not see why a great industry having to do with the

beauty, the health and the comfort of home surroundings should not have the same care taken of it, that is taken of cattle and hogs.

Des Moines, Ia.

C. L. WATROUS.

#### CONSIDER TARIFF.

Give the tariff a thorough discussion at your next meeting. The seedsmen and the horticultural product dealers have expressed their views on the tariff to the ways and means committee. Compare the report in the *Florists Review* of December 24th. We think the Nurserymen's tariff committee will respect those views, as each man is entitled to speak for his own trade.

Yours very truly,

NEW YORK CITY.

AUGUST RÖLKER & SONS,

#### A PRACTICAL PROGRAM.

The program should be always progressive, practical and interesting, and it should be considered worth while going to the convention for. I recognize the social feature of the Association as a very desirable one, but I do not believe it is sufficient to warrant the continuance of the Association. When, however, there can be discussions of subjects of importance and presentations of matters which show an advance in the growing of nursery stock, an advance in the methods of handling that stock, an advance in discovering the actual cost of that stock, and an advance in the methods of dealing with customers, the whole thing becomes well worth while.

#### THE SHADE TREE PROBLEM.

There is one thought I would reiterate, which is that the nurseryman who does not endeavor to make the town in which he lives a better place in which to live, is missing his duty as a citizen mildly, while missing his opportunity as a nurseryman entirely. Improvement work in American communities stimulates planting. The nurseryman with ugly grounds, poorly planted, on a street dirty and unkempt, and with poorly handled shade trees, is suggesting that he does not believe his stuff is good or fit to use. Therefore, there should be discussions and actual advances at nurserymen's conventions in respect to civic improvement work, especially that form of it dealing with parks, public squares and the improvement of home grounds and streets. I do not remember to have heard at any convention a capable discussion of the best shade trees for communities, but I do remember (having cause to) that nurserymen throughout the country are selling the trashiest trees they can grow, to be planted carelessly, far too close, and to rise up into a condition which disgraces the craft. I do not know of many tradesmen, although there are some, who are able and willing to advise as to proper street tree planting. The cases in which the nurseryman offers red oaks, pin oaks, ginkos, elms, tulips, ashes, oriental planes and sugar maples are mighty few, compared with those in which the nurseryman's advice has to do with the tree weeds like Carolina poplar, white maple and box elder.

This is probably not fit to print, but it is what I have said to the nurserymen, and what I think. I wish we might



have at conventions a practical study of the shade tree problem for streets, and some other practical studies which are not even heard of there.

Harrisburg, Pa.

J. HORACE MCFARLAND.

#### MORE DISCUSSION.

As to the program for next meeting, I have not given the matter a thought and am not prepared at this time to offer any suggestions of importance in regard to the making up of a program. I would suggest only that the program be not crowded, but that we have plenty of time for discussion of the subjects that are considered. The people do not take very kindly to long speeches or papers, and prefer to gather in groups and talk business rather than listen to a lengthy discourse.

Bridgeport, Ind.

C. M. HOBBS & SONS.

#### FUMIGATION.

We would like to have some paper on fumigation of nursery stock written by one who has had great experience with it. It seems to us this is a subject about which we all know too little. We believe the Association has not paid enough attention to this important subject. In view of the increasing number of states which require fumigation we believe it should be discussed next meeting.

Vincennes, Ind.

H. M. SIMPSON & SONS.

Speaking generally, we believe that the convention at Rochester will be fraught with much that is interesting and beneficial to the nursery trade, especially to us of the southwest, and we hope for a successful convention.

Sherman, Tex.

TEXAS NURSERY COMPANY.

#### GOOD WISHES.

I am not in touch with the demands of the National Convention and am not competent to offer suggestions on the formation of the program. I have not been able to attend the convention for several years and I do not feel able to offer any remarks on the subject.

Horticultural meetings of the several states are all over-ripe now and were gathered during this fine winter weather of the west.

Wishing the NATIONAL NURSERYMAN a most prosperous year, I remain,

North Topeka, Kan.

A. L. BROOKE.

As to offering suggestions for the programme of the next convention, I have not given this any thought and do not at this time call to mind any suggestion that should receive our attention. Will be very glad, however, to help our programme committee in every way possible later on.

With best wishes for a prosperous new year, I remain, as ever.

Des Moines, Iowa.

DES MOINES NURSERY CO.,  
J. W. HILL.

#### CONSIDER TRAFFIC QUESTION.

In reference to the coming meeting we believe the most important thing that the American Association of Nurserymen can do is to hire a traffic man to look after the interests of the association; a man who is fully competent to look

after our interests at all meetings of the classification committees, and make this the sole occupation of such a man. We believe it would be money well spent to have a man employed exclusively for that work.

Geneva, Neb.

YOUNGERS & CO.

We believe it would be of interest to the readers of the NATIONAL NURSERYMAN at least, if the views of leading nurserymen from different sections of the U. S. could be briefly presented at the convention, giving brief summary of conditions and outlook.

Lake City, Minn.

THE JEWELL NURSERY CO.,

E. A. SMITH, Vice-Pres.

#### JOINT MEETING OF NURSERYMEN, SEEDSMEN AND FLORISTS ON TARIFF QUESTIONS.

A very important meeting of the representative seedsmen, the florists and the Association of American Nurserymen was held in Buffalo about the middle of last month. The florists were represented by F. R. Pierson, P. Welch, Benjamin Hammond; the seedsmen were represented by J. C. Vaughn and D. M. Ferry & Company; and the nurserymen were represented by Irving Rouse, W. C. Barry, William Pitkin, Charles Brown, of Rochester; and S. H. Dayton of Painesville, Ohio.

The net result of the conference was the adoption of a resolution asking Congress to substitute specific for *ad-valorem* duties on seeds, plants and nursery stock whenever it was practicable to do this. The resolution presented to the committee on tariff is as follows:

"We, the members of the American Trade Seed Association, the American Association of Nurserymen, and the Society of American Florists, as represented by our duly authorized committees, and speaking for these three great industries (practically all of the commercial horticultural interests of the United States), unanimously agree upon the following resolution:

WHEREAS, There is now pending in the National Congress a tariff measure, known as the Payne Bill; and

WHEREAS, This bill may be without prejudice to the welfare of the public, but on the contrary to the great economy of custom administration, be so framed as to relieve all horticultural importers, government officials, etc., of the insuperable difficulties in the way of a fair and equitable administration of any excise upon this class of imports, based on the *ad valorem* principle; now, therefore, be it

*Resolved*, That collectively and individually we appeal to the Congress to make all duties upon Seeds, Nursery stock, Bulbs, etc., whatever revenue they may be intended to produce, or whatever interests they may protect, upon a specific basis.

J. C. VAUGHAN,

For American Seed Trade Association.

S. H. DAYTON,

For American Association of Nurserymen.

F. R. PIERSON,

For Society of American Florists."

Dated at Buffalo, N. Y., March 18, 1909.



# The National Nurseryman

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ROCHESTER, N. Y., APRIL, 1909.

## AMERICAN ASSOCIATION OF NURSERYMEN.

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Tariff—Irving Rouse, Rochester, N. Y.  
Legislation—Wm. Pitkin, Rochester, N. Y.  
Co-operation with Entomologists—Hon. Orlando Harrison, Berlin, Md.  
Program—Jas. M. Pitkin, Newark, N. Y.  
Publicity—J. M. Irvine, St. Joseph, Mo.  
Exhibits—Thomas B. Meehan, Dreshertown, Pa.  
Arrangements—Geo. C. Seager, Rochester, N. Y.  
Editing Report—Geo. C. Seager, Rochester, N. Y.  
Entertainment—Wm. Pitkin, Rochester, N. Y.  
National Council of Horticulture—Chas. J. Maloy.

## STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.  
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.  
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.  
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.  
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.  
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.  
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.  
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.  
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.  
Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.  
Pennsylvania Nurserymen's Association—President, Thos. B. Meehan, Dreshertown, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.  
Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.  
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.  
Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.  
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.

## CONNECTICUT POMOLOGISTS.

An invitation to assist with the annual meeting of the Connecticut Pomological Society not long ago gave us an opportunity to revisit that organization after a lapse of some four or five years and incidentally to compare present conditions with past conditions. At our earlier visit, as we remember it, there was a small and rather listless audience. At the Hartford meeting in January there were certainly not less than five hundred persons present at any session and certainly one or two hundred more than that in total attendance. The interest was keen, the discussions pointed and right up-to-date. What is the reason for this change? It is undoubtedly chargeable in the first place to the vigor of the administration, and secondly to the example of a few successful fruit growers, as Barnes Brothers of Yalesville, J. H. Hale of South Glastonbury and Mr. Lyman, the noted peach man.

But why should we expect anything else? Connecticut men will tell us that they have the best opportunity for fruit-growing in the world. That is a good thing for every fruit grower to believe of his own section, and there is no doubt that the advantages are very important; there is an abundance of cheap land, there is an increasing demand for good fruit; there is a ready home market, and good transportation.

At this Connecticut meeting, a novel feature proved to be the fruit banquet. At this function, fruit in some form appeared in every course of the menu. Whether the ration was properly balanced or not we did not inquire, considering that one meal would do no serious injury to our make-up. We did wonder at the close, however, whether it would not be advisable on general principles to partake of a little of the old-fashioned remedy, a trifle of baking soda, as a necessary neutralizing agent. There was one man who was unquestionably happy, and this was our friend, H. W. Collingwood, who has in season and out of season enlarged upon the nutritive and beneficial qualities of the baked apple, or indeed of the apple in any form. We did not hear him admit that he secured his fill that evening, but there was no reason why he could not.

The inevitable after-dinner speeches were presided over by J. H. Hale, who took the opportunity of having the last as well as the first word, to roast every one to his satisfaction at least. He certainly kept things moving in a rapid way, for Hale is a man who does things on time.

The Connecticut Pomological Society has struck a new era in its history and will undoubtedly be a factor of increasing influence in the commercial pomology of the Nutmeg State.

We cannot allow this opportunity to slip for a remark or two on another question. No one who has traveled up and down the historic Connecticut valley, and no one who has admired as he properly can the attractive pastoral pictures presented on every hand, can fail to have experienced or expressed a regret, if nothing more, at the ruthless way in which the landscape is being desecrated by the free exploitation on the huge tobacco barns and other farm buildings of signs advertising all kinds of wares from patent medicine to cereal products and alcoholic beverages.



These gigantic signs rubbing Omega oil into you with one hand and holding up a recent brand of whiskey, as it were, with the other, represent blotches on a landscape that should not be allowed to exist. It is an easy way to secure the painting of a barn, but in doing this it seems to us that the owner has little regard for public feeling and little regard for the use to which he is putting his own farm buildings. Public sentiment should rise against it and should drive out the custom. We believe in legitimate advertising, but we also believe in allowing those who appreciate a peaceful and pleasant landscape the opportunity of enjoying it without having it diluted with large doses of much that is purely artificial and certainly in bad taste. The Civic Improvement societies, national and local, have been hammering on this subject for a long time, but little progress has been accomplished. It seems to us a very legitimate subject for agitation by the state horticultural societies.

#### **MAINTAIN LIVING PRICES.**

There comes to our attention quite frequently the evidence that some wholesalers, in their eagerness to capture an attractive sale, overlook certain important and fundamental business principles.

They forget that the retailer and the dealer must be protected. The wholesaler cannot afford to ignore this. If he does, circumstances soon put him into the retail class. While the possibility of a large order from a grower is an excuse for offering a reasonable rebate, the average order from a planter which the wholesaler may not care to turn down is no excuse for slashing. This practice of wholesalers forgetting to discriminate between the planter, and the dealer and retailer, is demoralizing. Not only is it demoralizing in general, but it usually and finally reacts upon the firm in question. Nurserymen have been able to maintain reasonable prices during the panic, and there is less argument at the present moment for cutting prices than there has been for the past eighteen months. Good stock at living prices should be the motto.

#### **A NEW ENGLAND FRUIT SHOW.**

Last year we had our two great apple shows in the west, the National Apple Show in Spokane, Wash., and the National Apple Congress in Council Bluffs, Iowa. Both were most successful

in illustrating the apple growing possibilities of the regions tributary to the cities where the respective exhibitions were held.

This year New England is going to demonstrate what can be grown within her borders. It has been decided by a conference of representatives of the New England states that a grand exhibition will be held in Boston in October, 1909, at which the fruits then in season and grown in New England will be exhibited.

After all, this is but a return to the events of early days, for if we examine the reports of the Massachusetts Horticultural Society we shall find that half a century ago, wonderful collections of apples, pears and other fruits were

shown in Boston. These, however, were largely grown by amateurs. At the coming exhibition the fruits displayed will be grown in part by amateurs, but to a considerable degree by commercial growers. This represents the change in the fruit growing industry which has occurred during the intervening period. We have passed the amateur stage. Some parts of the country are well into the commercial era, but New England has hardly got a fair start. The purpose of this exhibition is to emphasize the fruit growing possibilities in a land which has eminently well adapted soil and climate and the greatest markets of the world near at hand, for fruit growing. Undoubtedly the purpose of the exhibition will be achieved, and this notice is to express our entire sympathy with the project and to urge upon all fruit growers of the region to begin now the making of plans for the exhibition of fruit which will eclipse anything that has ever been shown in the east. Information and details regarding this matter may be secured by applying to Secretary J. Lewis Ellsworth, of the Massachusetts Board of Agriculture, State House, Boston.

#### **INTEREST IN FORESTRY.**

The interest in planting waste and rough lands of the east to useful forest trees is increasing. Nurserymen should know that farmers are not only planning to plant but are actually planting trees on untillable lands and in places which should never have been cleared. In other words the waste places are now attracting their attention. The propaganda of the Bureau of Forestry is beginning to have its effect. The cry for trees to replace the waning supply is going out. All this means that there will be an increasing demand for forest tree seedlings for some years to come.

Interest in this field is evidenced by the increasing number of letters received by experiment station officers asking for advice regarding species, methods of planting and management. There is now and certainly will be a growing demand for forest trees. The question is, are nurserymen prepared to meet this new condition? Certain it is that trees ought to be supplied and at reasonable rates. There is complaint on the part of nurserymen that certain states are providing these trees, are maintaining nurseries and supplying planters. It is a fact that Vermont is doing this to a considerable extent and that the Forest and Game Commissioner of New York is also supplying seedlings to persons interested in forest planting.

In our judgment, this is not a fair deal to the nurseryman. It is hardly legitimate that the state should compete with a class of producers who under the most favorable conditions have serious natural conditions to meet. This is a type of paternalism not in harmony with the independent spirit of democracy.

Probably it will do no serious harm, and may act as a stimulus to more general tree planting. If such is the case, well and good, but in the meantime the nurserymen of the country ought to make it as easy as possible for intending planters to secure all the forest tree seedlings they desire and of suitable varieties.



# **BROWN TAIL MOTH.**

Eastern nurserymen have just passed through a season of considerable anxiety caused by the importation of that serious European pest, the brown tail moth. This period has passed away and with it perhaps we may have been lulled into a feeling of security due in a considerable degree to the vigorous measures instituted by the New York State Department of Agriculture for the stamping out of the pest. It is a regrettable fact, however, that all state departments were not equally vigilant and active. There is no doubt at all in our mind that we shall hear of out-breaks of this insect in new localities the coming summer. There is every likelihood that the enemy will appear in new haunts and that we may expect serious invasion. This is a matter which interests not only the orchardists and the land owner, but is of vital significance to the nurserymen. One of the principal barriers to the rapid extension of fruit growing is the increasing number of dangerous pests. Many a man is deterred from engaging in fruit growing not alone by the certainty of being obliged to put up a fight against the insects which are already established but by the possible invasion of new ones. We can keep out insects much easier than we can control them after they have got in. The way to keep them out is to inspect our imports. This will undoubtedly be troublesome and inconvenient, but more difficult obstacles than this have already been met and overcome. Let the importer, the nurseryman and the planter co-operate in this important matter. Speedy action is necessary.

**LEGISLATION.** The various state legislatures have been unusually prolific this year of bills relating to the regulation of manufactured articles affecting the fruit grower and farmer. In Congress there are at least three important bills. One of these, the importance of which the NATIONAL NURSERYMAN has urged from time to time, is the passage of a bill regulating the manufacture of insecticides and fungicides. This is supported not only by the entomologists, horticultural inspectors and nurserymen and fruit growers, but to a considerable extent by the association of manufacturing chemists. It should become law.

Another bill before Congress which has recently been withdrawn is that referred to in our last issue, which aims to secure inspection of imported nursery stock. This has been withdrawn for the present, and as the season for the importation of stock is over for this year no harm will arise, provided nurserymen and entomologists get together and push it through before the arrival of another importing season.

A third important bill before Congress is one which aims to regulate the size and character of the various fruit packages. This bill specifies the size of the box as well as the barrel. It is being vigorously opposed by western fruit growers for the reason that the box size specified does not conform to the size which has been in use on the Pacific Coast for a number of years. As our Pacific Coast fruit growers are the men who introduced the box package and popularized it, there is considerable force in their contention that they should not now be told, after having proved its value, what the box package should be.

Of the state legislatures, New York is considering bills for the regulation of fruit packages as well as the sale of manufactured insecticides and fungicides. Maine is putting through a package law, and Massachusetts is considering something of the same kind. All these things mean progress in one way or another, and though laws are sometimes wise and sometimes otherwise, sometimes enforced and sometimes dead letters, yet on the whole there is a certain moral effect arising out of their passage which is in general beneficent.

## **NOTIONS AND EXPERIENCE IN THE MATTER OF CREDITS.**

HERBERT E. CHASE.

[Read before the Southern Nurserymen's Association.]

During the past 16 or 17 years my business has been growing and selling nursery stock at wholesale. My ideas on credits are influenced by my previous experience in buying general merchandise, and my experience in selling Nursery stock at wholesale. I must tell you stories on myself in order that you may understand.

I began my business life with a merchant, Mr. A. A. Shuford, of Hickory, N. C. The firm was A. A. Shuford & Co. Mr. Shuford was well known and of undoubted credit. I became the buyer, was sent to the markets regularly for that purpose, became personally acquainted with the department heads in many of the great wholesale houses, was regarded as a good customer. Finally Mr. Shuford sold his interest in the firm to another young man and myself, with the understanding that the firm name should remain, and that he would stand behind us if necessary. I was in New York buying the fall stock, had been working in one of the great dry goods houses a day or more when one of the general men said, "Herbert, they want to talk with you up stairs." I wondered what they wanted to advise with me about, but made up my mind to be modest; I went adjusting my cravat; was shown into a little office just large enough for two chairs and a small desk, where sat a man. The door closed and we were alone. The talk went about like this:

"Are you Mr. Chase?"

"Yes sir."

"We understand Mr. Shuford has sold his interests to you and Mr. So and So, is that true?"

"Yes sir."

"What was the purchase price?" I told him, and then followed a lot of questions about how we expected to pay the balance, had we paid the notes due, when did we inventory, what was the amount of stock on hand, did we owe for merchandise, amount of annual business, how much rent, interest, etc., etc. My questioner sat facing me, figuring pad on his desk, pencil in hand; when all his questions were answered he added up two columns of figures and said, "Young man, by your figures you are in the *red*, but you can have all the stuff the boys can sell you, goodbye, good luck." The door opened and I was outside before I realized the credit man had been through me, and that I had made a poor show for Shuford & Co., because I simply had answered his questions, but had not given all the information that would have a bearing on our credit.



That lesson soaked in. Every business man knows it is a part of sound business not to extend credit unless there is a good reason to believe the bill will be paid promptly. As a rule, firms who will not give prompt, courteous replies as to their financial responsibility and commercial standing are not entitled to credit. A man who becomes insulted because his credit is questioned is not worthy of credit. A party who is financially responsible but who is a faultfinder or disagreeable, is not as desirable a customer as the honest, decent man who is not financially responsible; I'd rather extend credit to the latter type. When you extend credit, do it with your whole heart, if you refuse credit do it in a clear way that the other man will understand the first time; if he gets mad you may know you have acted wisely. There is no inflexible rule for extending credit in the nursery business; I've credited a man on faith in his particular human nature with entire satisfaction; I've credited a man because of the way his name was spelled, and collected quick; I've credited a man because he was a nurseryman in Rochester, New York, and never got the pay; I've filled a telegraphic order from a financially responsible firm who refused the goods because they said they did not send the telegram, received a written order from the same firm, which was returned with the information that the letter must be sworn to before a Notary before the order would be accepted, and finally got the money on that particular transaction.

Prior to 1906, twenty to twenty-five tree men were due us balances of from \$10.00 to \$100.00 each; the parties were not entitled to credit, they had ordered more than their remittances amounted to of goods that looked to be unsalable; we shipped the stuff and took our chances on collection. The accounts were of two to five years standing, the parties had stopped dealing with us. On July 1st, 1906, I wrote a nice letter to each, begging pardon for the account and enclosed a receipted bill, saying I had taken the liberty of paying the account myself, and if anything was wrong we would make it satisfactory. Only one man replied; he sent a post office order for \$6.00 and said he "did not need to have no man pay for his poor trees." More than 50% of those men sent us business the next season but always cash with the order, if a small balance the bill was receipted in full. Rather than sell your surplus stock on credit to doubtful parties, burn it, you will make more money, save your ink and postage and be a *heap* happier. . A tree man who is just a little bashful about paying, is the most diffident man in the world; a tree man who is plumb honest and can't help it is a little nobler than the other honest man.

I've credited men who were financially responsible, who paid promptly, but from whom I would not dare buy, and right here is the most particular part of the whole business. Buyers of nursery stock are fast learning to investigate the credit of the men with whom they deal. "The nursery trade of the country is fast going to a higher plane, unreliable tree men are being eliminated all for the betterment and permanency of the business."

The nursery business is calculated to show up the individuality of men; it will give you a pretty good idea if the party you deal with is fair and decent and loves to "tote" fair, or if he is mean and will take advantage of little things to get ahead of you a nickle.

To you men who are growing nursery stock for a living, I want to say, the day is just dawning for the nurseryman who knows his business and attends to it the best he knows, who sees to it that his stuff is a trifle better than he has represented, who is square and liberal and demands the very top prices for his product. That type of nursery business will always find a market among the very best customers in the land.

#### FRENCH GARDENS IN THE VICINITY OF PARIS.

Vegetable growing is almost a fine art in many parts of France. The French gardeners are among the most expert in the world. While there is considerable similarity of method throughout France, yet in the vicinity of Paris, a system somewhat peculiar to the region, prevails. In that section, the principal crops are lettuce, of the cabbage and cos varieties, radishes, endives, turnips, carrots, spring onions, etc. The French system aims to produce early crops by using warm, moist soil and artificially moistened atmosphere and an abundance of plant food.

Crops which bring the largest returns are those which appear in the Parisian markets from one to three months in advance of their natural season. Nearly all crops are grown under some system of protection, but this protection is not given by use of greenhouses as is the case in this country. Frames of one sort or another are used almost exclusively. Under this French system then, no greenhouses are employed.

The seeds are sown in the ground and, contrary to the usual practice are not transplanted at all. Under the best conditions, three, four and even as high as six or seven crops are taken from the same ground in one year. To illustrate, let us begin about the middle of February when a crop of radishes and carrots is sown and among these lettuce is planted from a bed sown in the autumn. The radishes are pulled in five to eight weeks. While this has been going on the carrots are thinned and cauliflowers are planted in the places where the lettuce is cut out. This has all been going on under frames and we have now arrived at a time in the spring when the protection is removed. The carrots are harvested in April and May and the cauliflower in May and June. This gives practically four crops within five months. As the cauliflowers are being removed other crops such as open-air tomatoes, vegetable marrows and celery or brocoli are put in.

The way in which this is all done requires a great deal of attention to detail and the expenditure of a large amount of labor and considerable investment of money. It looks excessive to say that the expense of developing and carrying on the work on an acre for the first year will amount to \$8,000 but on the other hand returns from \$3,000 to \$3,500 are looked for the first year and thereafter, while the working expenses drop to about \$1,000 per acre.

#### PECANS.

A good pecan story comes from Texas. It is stated that on the ranch of P. B. McCourry, situated in San Saba County, there stands a giant pecan tree which has yielded as much as 560 pounds of nuts, selling for 50 cents per pound, or \$280. It is reported that the owner of the tree has refused \$150 for the crop this season, but he expects to realize much more for it by selling the nuts at 75 cents per pound, which he claims to be able to secure.



## TRIALS OF VARIOUS GASES FOR FUMIGATING NURSERY STOCK TO KILL SAN JOSE SCALE.

W. E. BRITTON.

Entomologist Agricultural Experiment Station, New Haven, Conn.

In the spring of 1907 we undertook some tests of various gases to ascertain if any of them could be used to better advantage than hydrocyanic acid gas for fumigating nursery stock. Hydrocyanic acid gas is a dangerous poison, and many nurserymen and fruit growers have the idea that it injures the stock. At the outset we aimed to use only such gases as could be generated readily and cheaply on a large scale and without expert chemical knowledge.

The following gases were selected: Carbon disulphide and carbon tetrachloride, which are volatile liquids; chlorine, sulphuretted hydrogen, acetylene and hydrocyanic acid gas, which are generated by chemical action. About six hundred peach and apple nursery trees of salable size but infested with San Jose scale, were obtained. Ten trees were used in each test in most cases (five trees in some instances), and the trees were afterward carefully planted in nursery rows, where they could be watched during the season.

Though commenced in 1907, the tests were continued in the spring of 1908, and the present paper is merely a brief summary of the results. For the details of the tests the reader is referred to the biennial Report of the Connecticut Agricultural Experiment Station for 1907-1908, pages 270 and 796.

The chief difficulty encountered in the use of volatile liquids is the variability of conditions in volatilization. Temperature is a great factor, as is the size and shape of the vessel holding the liquid. Both carbon disulphide and carbon tetrachloride will volatilize much more readily at high than at low temperatures, and from a broad, shallow vessel than from a deep, narrow one.

In order to make these conditions as uniform as possible, we resorted to the use of heated "spiders" or stew pans made of cast iron, which retain the heat for several minutes. The pans were heated to 200° Fahr., then placed in the tight box with the trees and the liquid poured through a funnel into the pan and the hole stopped by means of a cork. By this method the liquid was transformed into gas almost immediately, so that the effect of the whole quantity throughout the entire fumigation period was gained. This would not be the case where the liquid volatilized slowly. Quantities of carbon disulphide varying from 10 to 80 fluid ounces per 100 cubic feet were tried. The period of fumigation also varied from one to six hours. The results indicate that the minimum quantity of this liquid necessary to kill the scale is 20 ounces per 100 cubic feet acting for one hour. The maximum is 30 ounces acting for two hours. Intermediate quantities and fumigating periods gave satisfactory results. Larger quantities caused injury to the trees.

Carbon tetrachloride destroyed the scale in our 1907 experiments, but as contradictory results were obtained a year later, we cannot at present recommend this liquid.

Of the gases generated by chemical action we may discard at once: Chlorine, on account of the inconvenience of generating it and its injurious effect on the trees; acetylene, because in the quantities used it failed to destroy the scales; sulphuretted hydrogen, which killed the scales and some of the trees, because the present methods of generating it are too cumbersome and inconvenient to be used by nurserymen.

Hydrocyanic acid gas, when used at the rate of one ounce of cyanide for each 100 cubic feet (as is practiced by nurserymen) destroyed all of the scales and caused no injury to trees, even with a fumigating period of two hours, which is nearly four times as long as the usual period. Trees dripping wet were fumigated for one hour without injury. Three times the above quantity for one-half hour, or double the amount for two hours, caused no injury. These results correspond with those obtained by other experimenters in several different parts of the country.

It will be seen from these tests, therefore, that for fumigating nursery stock nothing has been tried which appears to be superior to hydrocyanic acid gas, though it is possible that some other fumigating agent may later be found. Carbon disulphide may, however, be used for fumigating cions, bud-sticks and small lots of trees or

plants, if the directions herein given are followed. As this liquid is inflammable and explosive, caution should be used in handling it, especially to keep fire away from the fumigating house or box.

It is unquestionably true that many trees have been injured by improper fumigation in the past few years. The trees may have been immature, too wet, or may have been left for too long a period in the fumigating house. There is also the chance of making mistakes in computing the quantities of chemicals or in weighing them. But even against these dangers there is a greater possibility that the trees have been injured by becoming too dry or by freezing, and the orchardist has laid it to fumigation.

In conclusion, I wish to state that in these tests more apple than peach trees were injured by the various gases. Peach is commonly regarded by nurserymen and orchardists as *being especially susceptible to injury from fumigation*.

## TRADE WITH DEPENDENCIES OF THE UNITED STATES.

It is a striking indication of the commercial importance of the newer dependencies of the United States to learn that \$50,000,000 worth of merchandise was shipped from different parts of the United States to these non-contiguous possessions during the fiscal year 1906. The fact that nearly \$68,000,000 worth was shipped by them in return is still more striking. Of the amount shipped out \$18,000,000 or 36% were made up of farm products, and of the amount received by the United States, 81% or \$55,000,000, were farm products. Among the heaviest shippers in the group of dependencies is Hawaii. Porto Rico is one of the largest receivers, on the other hand. Alaska receives large quantities of timber and packing house products. Hawaii receives flour, barley, and feed stuffs. The amount of farm produce sent to the Philippines is comparatively small, considering their relative importance. Sugar is one of the heavy items coming to the U. S. from Hawaii. Manila fibre and sugar also come to us in large quantities from the Philippines.

## FARM TRAIN SPECIALS.

Horticulture and Soil Improvement: The idea of equipping and despatching special trains for the giving of instruction in some particular field of agriculture has been rapidly extending in recent years. Corn specials have been run in Iowa, Kansas and Nebraska, and other states. Maine has run a potato special instructing the farmers how to grow the Irish tuber, and Indiana has through the co-operation of the Baltimore and Ohio run a special for the purpose of instructing farmers how to improve their soil conditions, and better their fruit growing practices. In New York the Erie and New York Central Railways have cooperated with the college of agriculture in this work and trains have been run in the western and northern parts of the state for the purpose of stimulating dairying, farm crops production and fruit growing.

## A CYLINDRICAL FRUIT PACKAGE.

A new type of package, so far as the external form is concerned is that manufactured by W. R. Stokely, St. Augustine, Florida. The crate is in the shape of a drum, and has adjustable corrugated partitions. There are six of these removable sections, which avoid the necessity of wrapping oranges to prevent bruising. The crate is provided with ventilation. The cost is said to be about the same as the orange box now in use, and is reported to be adaptable to carrying oranges as well as deciduous fruits, tomatoes, and strawberries. The inventor has organized a factory and the new crate is being placed upon the market quite rapidly.

M. J. Wragg, of Illinois, says: "I appreciate your journal and like to have it come to my desk."

An advertiser should put his soul into his advertisements and then try to save it.—*Agricultural Advertising*.



## Correspondence

### SPRAYING EXPERIENCE OF AN EXTENSIVE PEACH AND APPLE GROWER.

D. MAURICE WERTZ.

Waynesboro, Pa.

Some of our readers have expressed a desire for articles on the different phases of orchard management by noted orchardists of the country. The article by Barnes Brothers of Yalesville, Conn. last year, on controlling San Jose scale, has been so highly commended that we are anxious to secure other contributions of the same kind. We are pleased to present the following notes from one of the large Pennsylvania fruit growers, which have the virtue of coming directly from an extended field of practical experience. Common report has it that Mr. Wertz sold fruit last year from his Waynesboro farm to an amount something above \$60,000, so that he may be looked upon as a wholesaler in the producing ranks. The opinion and experience of a man of this type is worth having and reading.—EDITOR.

Mr. Wertz says:

#### SAN JOSE SCALE.

"I am forced to confess that I have not held the scale in check as well as possibly I should have done, or as some possibly think I have done. The fact is, while I have had scale in my orchards for years and really lost only a few unimportant trees from it, still I am far from free from scale at the present time.

Over a large part of the orchard I have held it in check and possibly greatly decreased it; then there are other places where it seems to have gotten ahead of me and it is just a constant fight. I sometimes feel that I have too many trees to look after personally and carefully, and that some of those trees are not sprayed as thoroughly and completely as they should be, else I would have had better results. I must admit, however, that in my peach crop of nearly 100,000 Delaware baskets last year, it was the rarest exception to see a scale mark on any of the fruit. At the same time, immediately after the peach crop I started on my 4,000 barrel apple crop and I am ashamed to say that some of my apples were not fit to barrel, and I was obliged to sell them in bulk. I sprayed those particular trees this winter with pure crude oil and will follow in a few days with lime and sulphur. If I have not injured the trees, I hope to have a cleaner crop of apples next year.

The Lecanium scale is very much more obstinate than the San Jose scale and seems to be on the increase with me, in spite of my spraying, and I scarcely know what to do for it.

As for my lime and sulphur solution, I would say that I have a traction engine and boil by steam in large tubs, then dilute and draw off into a tank from which I fill my spray carts. I have five iron carts for spraying with compressed air, and believe it is the best arrangement on the market. I have made and applied as high as 4,000 to 4,500 gallons per day.

I still use salt in the mixture, feeling that it may help the sticking quality, and in our unsettled climate and particularly this time of the year, I am willing to use anything that may prevent washing off so soon.

Last year I used the self-boiled lime and sulphur for the brown rot of the peach, but found 10-10-50 too strong and dropped to 5-5-50. It certainly did much good, but there is yet much uncertainty about its results I think.

#### SOME REMARKS BY HENRY SCHROEDER

Sigourney, Iowa, February 25, 1909.

The National Nurseryman Pub. Co.

Dear Sirs:

Enclosed find \$1 for subscription, which sickness has delayed. I see in papers a good deal of advertising with prices for nursery stock. I am for honest advertising but when it comes to prices for nursery stock, there is too much misunderstanding about the prices; like as if there is no difference between mail sized or 3 year old apple trees. I know, when farmers say to me that I was bound

to sell the largest trees cheaper than small ones, because they would get too large; I told such, that they would pay us sooner in fruit, to let those stand, or sell those with some ground to get a good neighbor. After telling them the truth, some of those farmers got to be my best customers for about 20 years and did not kick again on prices, but stated they were fooled too much from agents before.

Now prices on postal cards, or in papers, are good for some and against others, (like with the rural route mail and others), it leads to low prices. Like I have bought from over 50 different nurseries and kept a record for home trade here, I have to acknowledge, that it makes a difference, what kind of nursery stock anyone needs, for what soil and from what soil best? But not the cheapest in price. No, good stock helps nurserymen just as well with prices, as it helps farmers with their good stock. What is the matter with the old good Roman stem apple trees? Scarce in price list. What makes dwarf pear trees on quince roots cheaper than quinces and standard pear trees? More next.

#### A SYSTEM OF CHECKING TOOLS TO EMPLOYEES.

Editor National Nurseryman:

We have yours making inquiry with reference to our system of checking tools to employees.

The plan is a very simple one, but works very nicely and we think a great saving in the loss of tools, over what we experienced before having some system for keeping a check on same.

We arrange a checking board, by tacking strips of elastic, measuring from 24 to 30 inches in length, parallel with each other about three and a half or four inches apart. This elastic is tacked to the board at intervals of about an inch and a half apart. About one half inch below the elastic we nail a little strip about 1/4 inch square, this makes the system for holding checks which are slipped in behind the elastic between the tacks, one end resting on the little strip. One of these pockets is marked for each employee, arranging their names alphabetically. When an employee calls for a tool, a little check is made out showing the tool taken from the tool room by the employee, dated and placed in this man's pocket in the checking board. At night when he returns the tool, his name is written on this little check, and it is given him so that he knows that no check is left in the checking board for tools that he has turned in. The clerk who does this checking out of the tools, of course keeps an inventory of the tools in the shop or tool room and checks them over about once every week, always taking into the count the checks for the tools that are out as shown by the checking board. Tools not returned after a reasonable length of time are charged to employee. Since adopting this plan, we have experienced very little annoyance from tools being left in the fields or broken and hid; in fact the number of thoroughly worn out tools of different description, found on our scrap pile is evidence that we get full value and wear out of every tool we use on the place.

Jacksonville, Fla.

THE GRIFFING BROS. CO.

C. M. GRIFFING.

#### BERCKMAN'S AUSTRIAN LABORERS BUY EXPERIENCE.

The firm of P. J. Berckmans Co. of Augusta, Ga. are large employers of Austrian and other foreign labor. They pay fair wages and treat employees considerately. A short time since nine of their Austrian laborers were lured away by the attractive story of a smooth tongued Austro-American who excited their imagination by stories of large wages in California.

They cast in their lot with him, entrusted him, as business manager, with their money and started for California.

The personally conducted tour halted at Atlanta where the "Manager" after completely "skinning" his dupes left them. The stricken and remorseful derelicts appealed to the Berckmans who forgave and took back a bunch of sadder and wiser men who are now likely to remain contented with good treatment for some time to come. The whole story as told in an Augusta paper is exceedingly interesting as well as instructive.



## Among the Experiment Station Workers

### U. S. DEPARTMENT OF AGRICULTURE.

Circular No. 3 issued May 11th, 1908, is devoted to tumors or knots on apple and quince trees. This describes various swellings which appear on the stems and main branches of these trees, and nurserymen are advised "To be careful in the selection of scions and stock for propagation to see that they are always taken from healthy trees." The investigator believes that these troubles are largely distributed by careless propagators, that diseased scions mean diseased stock and that healthy trees are only secured by selecting from clean, vigorous parent stock.

### DISEASES OF ORNAMENTAL TREES.

A useful pamphlet on this subject has recently been published as a reprint from the year book of the Department of Agriculture, for 1907. It includes a discussion of diseases of trees due to unfavorable surroundings, diseases due to parasites, together with suggestions for prevention and treatment. The interest in the care of shade trees is constantly increasing and this small pamphlet is timely.

Another bulletin of the same type but very much fuller has been published by the Cornell Experiment Station which includes in satisfactory detail the particulars of shade tree management with special reference to the pruning and care of the trees.

### STRAWBERRIES FOR NEW HAMPSHIRE.

[New Hampshire Experiment Station. Bulletin No. 137.]

This is a very interesting essay on the culture of strawberries in New Hampshire. It is supplemented by an extended descriptive list of varieties. The bulletin is tastefully illustrated and should be of great service to the strawberry grower not only of New Hampshire but in the New England states generally.

### CATERPILLARS INJURING APPLE FOLIAGE IN LATE SUMMER.

[New Hampshire Experiment Station Bulletin No. 139.]

An illustrated bulletin of some twenty pages describing the work of the fall web worm, the yellow necked apple caterpillar, the red humped apple caterpillar, the hickory tiger moth, the rusty tussock moth and the white marked tussock moth. These insects are all injurious to a greater or less extent to the foliage of apple trees in the late summer and early autumn. Unfortunately their presence is often overlooked and the damage which they cause is entirely unappreciated.

## Book Reviews

THE AMERICAN APPLE ORCHARD. F. A. Waugh. Orange, Judd Company. Price \$1.00; 7½ by 5 inches, 214 pages, illustrated.

An interesting discussion of American methods of growing apples. It is primarily a book for the planter and as such it is suggestive and useful. The principal topics entering into the economy of apple growing, its soil management, tree management, fruit management and the like, are pleasantly discussed.

PHYSICAL PROPERTIES OF SOILS. Arthur G. McCall. Orange, Judd Company. Illustrated, 5 by 7 inches, 106 pages, cloth, 50 cents.

A book for the instructor in soils. As a laboratory guide it should be very useful.

FIRST COURSE IN BIOLOGY. L. H. Bailey and Walter M. Coleman. 7½ by 5¼ inches. Made up of three separate books aggregating 590 pp., illustrated, price \$1.25. Macmillan & Company.

The book is divided into three parts, first "Plant Biology," second "Animal Biology" and third "Human Biology." The whole volume is an effort to present in suitable form the elements of organic life to the students in the lower grades. The book is said to "stand between unorganized nature-study of the intermediate grades and the formal science of the more advanced grades." As a combination elementary plant and animal science the material is most suggestively arranged.

THE TREE DOCTOR, by John Davey. 9¼ by 6¼, 235 pp., illustrated.

This unique literary production is a re-issue by the author of his first publication under the same name. It describes the methods of pruning trees with special reference to the healing of wounds, decayed spots and the like. The title of the volume describes its purpose very accurately. The author's directions for the improvement of diseased, decrepit and injured trees, are excellent, but some of his speculations are rather wide of the mark. We can hardly subscribe to the statement that "pear blights and other blights are not a disease but the result of injuries, the source of disease," or "the cause of peach yellows, the far removal of trees from their native environment," but despite several equivocal statements, the volume is full of suggestions and cannot be otherwise than of great service to the beginner or the owner of either fruit or shade trees. A campaign of this kind in order to save street trees from the devastations of the linemen and park trees from destruction from ignorant workmen, is urgently needed and the author has illustrated and presented the subject in a very effective and taking manner. The volume is published by the Stallfield Publishing Company, Akron, Ohio.

## Business Movements

A recent issue of the *Arlington Review Herald* contains a very attractively illustrated sketch of the nursery of Marshall Brothers, situated near that town. The article shows not only attractive views of the nursery, but also the pleasant homes of the members of the firm.

### WILLIS NURSERIES, OTTAWA, KANSAS.

In the last issue of the NATIONAL NURSERYMAN, the Willis Nurseries were inadvertently moved from Ottawa to Topeka, Kansas. This is to say that they are still doing business at the old stand, where the proprietor Mr. A. Willis is on tap ready to take orders for A-1-nursery stock, with a leaning towards good apple seedlings. The mistake was the NATIONAL NURSERYMAN'S.

### COOPER'S SPRAY FLUIDS.

These well known manufacturers of sheep dip have been studying the question of fungicides and insecticides for some years and as a result of careful experiment now offer to plant growers a series of spray liquids. They have recently issued a booklet giving a great mass of testimonials covering a wide range of territory. They wish fruit growers to test the merits of their formulas before accepting or rejecting their statements. This is fair. The address of the firm is William Cooper & Nephews, 177 William Street, Chicago, Ill.

### NEW COMPANIES.

The Satsuma Nursery Company was recently organized at League City, Texas for the purpose of doing a general nursery business. Genuine seedless Satsuma orange trees grafted on hardy citrus Trifoliata roots is a specialty.

Dear Sirs:

Snyder, Texas, January 4, 1909.

I am preparing to open up business here this season on a moderate scale and believe I will have fairly good success from the start. Our business will be known as The Snyder Nurseries, S. E. Smith and myself proprietors. We will grow a general line for this section of the country.

W. K. EASTES.

W. J. Rimp, of the firm of B. Rimp Royal Moerheim Nursery, Dedemsvoort, Holland, who has made his American headquarters at Poughkeepsie, N. Y., has returned to Europe. His address is Dedemsvoort, Holland.

Henry P. Hill formerly of Irondequoit, N. Y., has changed his address to Penfield, N. Y.

W. B. Cole, Painesville, O., is making many improvements in his nursery, including electric lights.

Thos. Meehan & Sons, Inc., of Philadelphia, have opened a branch office in the Metropolitan Life Building, New York, for their retail department which is constantly enlarging.—*Flo. Ex.*



## Quiz Column

Is California privet subject to attack by San Jose scale?

INQUIRER.

### ANSWER.

The California privet has never to my knowledge been injured by San Jose scale, though scales sometimes may be found on it, if the scale is prevalent in the neighborhood. There are other varieties of privet, particularly Amoor River Privet, which are often destroyed by scale. I never saw scale on California privet in Western New York, but down the river and on Long Island it is sometimes but rarely reported.

I have information that California Privet is also slightly affected in New Jersey and Pennsylvania, and sometimes further south.

GEO. G. ATWOOD, *Chief Horticultural Inspector.*

Albany, N. Y.

Dear Sir:

As a subscriber I ask the following questions and will greatly appreciate answers through your column

What varieties of the species *Carya alba* (shellbark hickory) would it be best, in the present knowledge of this nut tree, to propagate, were one undertaking the cultivation of this tree for its fruit alone?

Are there any sections where such cultivation is now being made?

What varieties find their way into commerce from forest and from plantations (if any)? Is Hale's paper shell one of these varieties? What nurserymen would be likely to carry such stock?

MORSE S. DUFFIELD.

217 D. F. Walker Bldg.,  
Salt Lake City, Utah.

*Answer by* **DR. ROBERT T. MORRIS, NEW YORK CITY.**

(1) At present I cannot say what shagbarks can be propagated best. There are about a dozen kinds grafted, in my experimental orchard, including some not yet transplanted. Not one of these is ideal. Some have extremely thin shell, but deficient in other features. Some are very large,—some of high quality,—some with perfect cleavage, but not one that combines more than two notable features. I am still looking for the ideal shagbark. Some of the best are from trees that are shy or intermittent bearers. Perhaps the very best nut of all is from a tree in Maryland that bore a good crop in 1905, and none since. Another of the very best, fills only a part of the nuts, some remaining empty shells.

(2) I do not know of any section where shagbarks have been cultivated, but have heard of individual trees here and there, and some men write that they have recently grafted shagbarks.

(3) No varieties find their way into commerce from plantations, so far as I can learn. Sometimes the yearly crop from some one tree is engaged by a dealer, but the market lots are mixed wild nuts generally.

(4) There are no nurserymen carrying important stocks of grafted shagbarks, to my knowledge.

(5) Hale's paper shell is not an ideal nut. The size is very large, but the shell is much thicker than that of some others. The quality is not of the highest, but the nuts have remarkable keeping quality. Cleavage of this nut is only fair. The variety so far as I can learn is a shy, late, and irregular cropper. By comparison with the thousand and one wild nuts, Hale's is remarkable, and Mr. Hale is worthy of permanent fame for his efforts to get people interested in grafting this nut. He has kept at the subject persistently, and can be called the father of shagbark grafting. I have some young grafted trees of this variety. Thomas Meehan & Sons, of Germantown, Philadelphia, keep a few of them in stock. They require a great deal of care when transplanted, and often die unaccountably.

In a few years I shall be able to report upon the behavior of a good number of varieties of grafted shagbarks, and presume that as with other kinds of trees, some will prove to be very profitable, while others will not. I shall try budding extensively this summer.

Editor National Nurseryman:

We are about to start a small nursery to grow stock for the best retail trade. Would you advise making a specialty of one thing, say roses?

Please name the ten hardy conifers and the ten hardy shrubs most in demand.

Our ground is now in sod, rather light, how shall we best treat it for the above mentioned stock, also flowers, vegetables, roses and small fruits?

Starting with *rosa rugosa* seedlings in the spring how can we best grow them for stocks for standard roses? Will they be strong enough to bear next summer? Is the manetti used for standards?

We have a large number of dormant hard wood rose cuttings stored, with the idea of starting them outdoors early in the spring. How shall we treat them? How about starting them in frames covered with protecting cloth? (Advice wanted.—EDITOR.)

Please describe the methods of the French gardeners whereby they are able to get so many crops from the same ground in one year. Where can we get literature in English on the subject? (See *Florists Exchange* for January 23, page 115, column 3. See article in this issue.—EDITOR.)

Thanking you in advance for any help you can give us, we remain

BEGINNER.

Rhode Island.

*Answer by* **ELLWANGER AND BARRY.**

As to making roses a specialty, it depends on the climate where they are to be grown. If the winters are not too severe we should advise planting roses as a specialty in an experimental way at any rate.

For ten of the hardiest conifers we would recommend the following: Norway Spruce, Hemlock, Austrian Pine, Red Cedar, Balsam Fir, Col. Blue Spruce, Irish Juniper, White Pine, Am. Arbor Vitae, White Spruce.

For ten of the hardiest shrubs we would recommend the following: *Spirea Van Houttei*, *Berberis Thunbergii*, Bush Honeysuckle, *Prunus triloba*, Snowball, Weigela, *Hydrangea pan. grand.*, Forsythia, Lilacs, *Spirea Anthony Waterer*, Syringa.

To grow good stock it is necessary that the ground be well cultivated and plenty of manure used. We have not had any experience with growing the *Rosa rugosa* seedlings or manetti roses for standards, nor with growing roses from hard wood cuttings.

### MATRIMONIAL.

Congratulations are due Mr. George H. Whiting of Yankton, South Dakota, who has recently been united in marriage with Miss Eva E. Williams, of Watertown, S. Dak. Mr. Whiting is well known as the proprietor of the George H. Whiting nurseries. His catalogue is good evidence of the progressiveness of the firm which he represents as president.

### RAY C. SIMPSON.

Mr. Ray C. Simpson of the Nut Nursery, Monticello, Florida and superintendent of the North Florida Pecan Company of the same place recently wedded Miss Parkill, daughter of Capt. Parkill of Monticello. Mr. and Mrs. Simpson are now at home to their friends in the town of the groom's adoption—Monticello. Congratulations are warmly extended.

National Nurseryman Publishing Co.,  
Rochester, N. Y.

Gentlemen:

Enclosed you will find check for one dollar for which send me your paper one year. Have run my business long enough without your paper. Begin with March issue.

THE BLANTON NURSERY.



## Obituary.

### MARK VERNON SLINGERLAND, ECONOMIC ENTOMOLOGIST.

Professor Slingerland, economic entomologist of Cornell University Experiment Station and College of Agriculture, died of Bright's disease, March 11th. Although he had been afflicted by the malady for several years, his death came with startling suddenness.

He was born in Cattaraugus County, New York, in 1864. He was essentially a self-made man, having worked his way through Cornell University, building up a home, and at the same time by his energy and devotion to his chosen field of work placing himself at the head of the economic entomologists of this country. The secretary of the Western New York Horticultural Society pays the following tribute to Professor Slingerland and his work in a recent issue of the *Democrat and Chronicle*.

"The death of Professor Slingerland, entomologist of the New York State College of Agriculture at Cornell University, is a distinct and almost irreparable loss to the farm and fruit-growing interests, as well as to the institutions with which he was connected, and will be keenly felt by the Western New York Horticultural Society, before which he had appeared annually for the past fourteen years.

"It is to the researches of Professor Slingerland mainly that the fruit growers owe much of the success which has come to them in the battle against insect pests, and through him they have obtained much information in the matter of spraying fruit trees and other details of insecticide; for Prof. Slingerland had the happy faculty of reducing technical scientific truths to practice, and translating the nomenclature of the research laboratory into terms of ordinary understanding."

The University faculty of Cornell and the faculty of the College of Agriculture have placed themselves on record in regard to the worth of Professor Slingerland as a man and as a scientist in very eulogistic resolutions which are spread upon the minutes of their respective faculty records.

## fruit and plant Notes

### GOOSEBERRY HISTORY.

Among the three most promising varieties of gooseberries for the region adapted to this fruit in the United States are Red Jacket, Pearl and Downing.

Pearl is a variety of Canadian origin. It was produced by William Saunders, then an amateur fruit grower of London, Ontario, Canada.

Downing was of earlier development, but there is a remarkable resemblance between Downing and Pearl, so marked that some growers are inclined to say that the varieties are identical, yet there is no question of the distinctness of their origin. It does not seem to matter much which one has, the difference between them being so slight; but one or the other is needed in every gooseberry plantation.

Another variety introduced by the originator of the Pearl has had a somewhat strange history. After devious wanderings it came to light in the nursery grounds of T. S. Hubbard & Co., Fredonia. It then passed into the hands of George S. Josselyn, of grape culture fame, and was introduced by him under the name of Red Jacket. Now it was unfortunate that this name was chosen, for an older English variety had already been introduced under the same name. Under these circumstances it was deemed advisable to rename the variety, and it is now properly catalogued under the name of Josselyn. This variety is one of the most reliable of all

kinds which include in their make-up a considerable element of the English type. In other words, it is the most successful of those varieties having European characteristics in a marked degree. We understand from the introducer that there is a keen and continuous demand for this variety. It would therefore seem that gooseberry growers should have Josselyn at any rate, and either Pearl or Downing to give them two good varieties well adapted to American conditions.

### TO MANUFACTURERS OF INSECTICIDES AND FUNGICIDES.

Albany, March 5, 1909.

Manufacturers of insecticides and fungicides within the state and dealers in original packages manufactured outside of the State of New York, are required by law to receive from the Commissioner of Agriculture a certificate before doing business in the commodities named.

The law also requires that all packages offered for sale shall be labeled with the name of manufacturer and place of manufacture, and the label shall show plainly the percentage of all essential ingredients of said insecticides or fungicides.

The labeling in connection with the application above referred to, constitutes a guarantee to purchasers, of the quality of the insecticide or fungicide offered for sale.

Selling without a certificate, or failure to label properly, or to sell a commodity different from such as is set forth in the application, constitute a violation of the Agricultural law. The attention of manufacturers, dealers and purchasers is hereby called to this subject and a full text of the law will be sent on application.

R. A. PEARSON, *Commissioner of Agriculture*.

### UNIFORM PACKING IN NEW YORK.

It is not generally known that the last legislature of the State of New York passed a law, or rather added a section to its agricultural law, prohibiting the selling of apples, pears, or peaches as New York State grown, or the branding of them as such, unless they were actually grown in the state. This law also provides that apples or pears sold on the market shall be so packed that the product is substantially uniform throughout each package. What "substantially uniform" means must be interpreted, we suppose, by the inspector. It further provides that anyone buying from a grower apples or pears which are packed and labeled with the name of the grower, and who repacks or causes the same to be repacked, shall erase the name of the grower. The weak point about this law is that it does not state what per cent of apples or pears may be below the grade required.

### INFLUENCE OF FERTILIZATION ON CALIFORNIA GRAPES.

"I contend where a vineyard is kept vigorous through fertilization and the vines are properly cared for to make them healthy and strong growers, it will take a great many insects of any kind to offset the tendency of a thrifty growth. As is well known, the insect that creates the diseased condition known as Phylloxera, attacks resistant stock as well as the varieties grown on their own roots. It is claimed for the resistant stock, however, on account of its being such a thrifty grower, that the insect makes very little headway in its destructive work. Taking this conclusion, I am positive where a vineyard is irrigated and well fertilized to cause it to be vigorous and otherwise healthy, that grape-vines on their own roots can be made resistant more or less, especially when irrigation water is used regularly to keep any insect which inhabits the vicinity of the roots of grape vines weakened. They will certainly vacate the premises in time and their eggs and larvae will be destroyed. Keep your vineyards well fertilized either with stable manure or commercial fertilizer and if this is done especially in irrigated localities, I am quite sure that resistant stock is unnecessary. Vines grafted on resistant stock cost from \$30 to \$65 per 1,000 while vines on their own roots cost from \$10 to \$16 per 1,000, according to variety and quality. This is quite a saving."—CHAS. A. CHAMBERS in *Town and Country*. [All of which is very questionable statement and advice.—Ed.]



**RAFFIA.**

It is perhaps not generally known that all of the Raffia reaching this country comes either directly or indirectly from Madagascar. While the natural supply there is sufficient the natives who gather the Raffia and strip it from the Palms are finding more remunerative work in Railroad building which is in progress there.

Combined with the low price that Raffia has been commanding this has lessened the supply considerably, with the inevitable result of greatly increasing prices, so that when the present stock of the Importers has been worked off, Raffia is apt to sell at prices prevailing seven and eight years ago—50% higher than now.

National Nurseryman's Publishing Company,  
Rochester, N. Y.

Gentlemen:

Enclosed please find \$1.00 covering subscription to NATIONAL NURSERYMAN for coming year. (Think my time expires February number). Do not wish to miss single copy. Good publication—doing great work.

DANSVILLE NURSERY CO.,  
F. E. WILLIAMS.

National Publishing Co.,  
Rochester, N. Y.

Gentlemen:

Your favor at hand, informing us that time has expired for NATIONAL NURSERYMAN. Find inclosed \$1.00 for renewal, we can't get along without it, and do not fail sending us this valuable paper, and should time expire keep sending and send us bill. This paper keeps us posted. We remain,

ERNST NURSERIES,  
CHAS. ERNST.

**FOR SALE.** One of the best and oldest Nurseries in North Dakota. Established Spring 1879. Over 12,000 farmers' names on mailing list. The best of references and reasons given for sale if wished. Only a very small payment required down, rest can be made out of business in one or two years and still leave a good profit.

Address, **GRAND FORKS NURSERIES**  
Grand Forks, N. D.

**SUBSCRIBER SINCE 1893.**

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Dear Sirs:

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I have the NATIONAL NURSERYMAN filed from 1893, pretty good evidence I think of my appreciation of your efforts to please the trade. Wishing for the NATIONAL NURSERYMAN continued success, I am

W. A. YATES.

THE NATIONAL NURSERYMAN,  
Rochester, N. Y.

Dear Sirs:—

Enclosed find P. O. order of \$1.00 for THE NATIONAL NURSERYMAN. I am very much pleased with THE NATIONAL NURSERYMAN.

Yours truly,

J. R. JONES,

Forest Home Nursery,  
S. Dak.

**SITUATION WANTED.**

Where a good man is wanted to take full charge of a nursery. Long experience in growing high class stock under glass and outdoors, ornamental and fruit. Good propagator. First class in making surveys, designing plans and carrying out high-class up-to-date landscape work. Permanent. Hustler; sober; references. Good technical and business education. Would take interest in live concern later. Good wages. State full particulars first letter. Write or wire.

NURSERYMAN,

180 Grand St., Jersey City, N. J.

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## HILLEGOM, HOLLAND

### ESTABLISHED 1830

## We are growers and owners of Bulb-cultures exceeding 350 acres

Hyacinths, Tulips, Narcissus, Crocus, Lilies, Gladiolus, Iris, Begonias,  
Spiraeas, Paeonies, and a large assortment of Herbaceous Plants

## SHALL BE PLEASED TO QUOTE PRICES



## Surplus Stock, Spring 1909

50,000 PEACH TREES, 1 yr. from bud.  
10,000 APPLE, 1 yr. from bud.  
100,000,000 STRAWBERRY PLANTS in six leading sorts.

MYER No. 1, AROMA, STEVEN'S CHAMPION.

Superior.

Gandy.

A general assortment of other stock.

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## NORTH CAROLINA NATURAL



## Peach Pits

Gathered in the mountains of North Carolina where the  
Yellows are unknown. Write for prices.

JOHN A. YOUNG

Greensboro, N. C.

Lombardy Poplars, 8 to 14 ft.

Carolina Poplars, 8 to 10 ft.

California Privet, 1 to 4 ft.

ALL FINE  
STOCK

JOSIAH A. ROBERTS,  
MALVERN, CHESTER COUNTY, PA.

## The New HYDRANGEA

Arborescens grandiflora (sterilis)  
"Hills of Snow"

Grown especially for the Nurserymen's Retail Trade. Colored Plates free. At-  
tractive circulars at cost.

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## Roses for Lining Out—All Varieties

H. P. Moss and Climbers, 2½ in. pots

Last summer's propagation.

Having bought my brother's interest in the land  
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I am now prepared to make contracts for future  
delivery.

GET MY PRICE LIST

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## The Buying of Trees is a Matter of Confidence



IT IS impossible for even an expert to tell from an  
examination of the bark and leaves of a tree  
whether the fruit will be good or worthless.  
While of importance to private planters, it is of  
far greater consequence to the nurserman who  
buys trees in quantities for distribution among his cus-  
tomers to know they are reliable in every way. For 26  
years the Glen Saint Mary Nurseries have been perfecting  
their facilities for the production of absolutely dependable  
stock and the nurserymen who have been supplied from  
this source, as well as direct customers, have come to  
know that here they can secure

### "Trees True to Name"

Large test orchards are maintained at Glen Saint Mary  
Nurseries for the fruiting and proving of different vari-  
eties. These orchards enable us to point to the parent trees  
from which our young nursery stock is grown as evidence  
that we know exactly what the latter may be expected to  
do when they come to fruit. Further evidence of the  
superiority of our product is found in bearing orchards  
throughout the South, planted years ago with Glen Saint  
Mary trees. We are now growing better trees and plants  
than ever before.

New Catalogue or Wholesale Price List on application.

The Glen Saint Mary Nurseries Company,

GLEN SAINT MARY, FLORIDA

G. L. Taber, Pres. & Treas.

H. Harold Hume, Vice-Pres. & Sec.

## Rocky Mountain High Altitude EVERGREEN SEEDS

ALL FRESH LAST FALL'S SEED

COMPLETE WORK ON EVERGREENS

Result of 30 years in the trying climate  
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C. S. Harrison's Select Nursery Co.,  
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## The Weber Nursery Co.

GREENFIELD, IND.

Offer a complete general line of Nursery stock  
such as Apple, Pear, Plum, Cherry, Peach, Small  
fruit plants, Vines, Evergreens, Forest tree seedlings  
and Ornamental trees and Shrubs.

400 lbs. guaranteed Catalpa Speciosa seed at  
a special price to close them out.

CALL OR WRITE.

## LABELS for NURSERYMEN

Plain or  
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The Benjamin Chase Co. Derry Village, N.H.

When writing to Advertisers mention The National Nurseryman

Ben Davis



# SURPLUS STOCK

LIGHT GRADE Apple, Pear, Cherry and Plum. These trees are well graded and are free from gall, aphids and scale.

SPECIAL PRICES on 1-2 in. and 3-8 in. Sour Cherry. Also on 5-8 in. and 1-2 in Plum.

BOX ELDER in all grades.

Kentucky Coffee Tree.

Oriental Plane.

Oaks.

Carolina and Volga Poplar.

We also have our usual line of No. 1 stock.

FALL 1909

A fine lot of stock, including a few hundred thousand apple.

CATALPA SPECIOSA PURE

No doubt or guess work about it, because we have gathered the seed ourselves and given it personal attention. We are ready to book orders now, subject to crop conditions.

**C. M. Hobbs & Sons,**  
Bridgeport, Ind.

# Nursery Stock

**Walter Charles Slocock**

GOLDSWORTH NURSERY

WOKING, SURREY, Eng.

HAS THE USUAL EXTENSIVE STOCK OF  
THE FOLLOWING :

CONIFERS including a quantity of well shaped specimens for decorative purposes. Low prices can be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN AND  
DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.

MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.

Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other AMERICAN  
PLANTS.

(A good stock of all hardy varieties of Rhododendrons.)

CLEMATIS and other HARDY CLIMBING  
PLANTS.

Transplanted FOREST TREES.

THE STOCK IS IN EXCELLENT CONDITION  
LARGE QUANTITIES SHIPPED ANNUALLY.

# McHUTCHISON & CO.

17 Murray Street, NEW YORK CITY

Representing in United States and Canada

**Vincent Lebreton, Angers, France**

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,  
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

Write for special prices, lists, catalog, etc.

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Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,  
HARDY AZALEAS, BOXWOOD, PAEONIES,  
CONIFERS, Etc.

Also full line of Boskoop grown stock.

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**Union Nurseries, Oudenbosch, (Holland)**

LARGE GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE  
CHESTNUTS, RIVERS PURPLE BEECH,  
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

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**Royal Tottenham Nurseries**

Deedemsvaart, Holland

Largest Growers of

HERBACEOUS PLANTS, PERENNIALS, ETC.

Write for catalog.

We are direct importers of

ENGLISH MANETTI, RHODODENDRONS, Etc., JAPANESE  
NURSERY STOCK, MAPLES, SCIADOPITYS, TREE  
PAEONIAS, THUYA, JAP BULBS, Etc.

**BAY TREES**

Pyramids and Standards from Belgium

**RAFFIA, Red Star Brand,**

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY

SHIPPING. We have our own Custom House Department. Special facilities at Havre, Antwerp, Rotterdam, Southampton, Hamburg, etc. Lowest rates consistent with perishable nature of stock.

**McHUTCHISON & CO.**

17 Murray Street,

NEW YORK.





Everything in  
**Small Fruit Plants.**

Ask for price list.

W. N. SCARFF, New Carlisle, O.

**CHARLES M. PETERS,**

Formerly of W. M. PETERS SONS,

**Offers One Million Grape Vines**

One and Two Year Old for  
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

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Long Distance 'Phone and Telegraph, Snow Hill, Md.

**We are Prepared to Handle Your Orders**

for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

**SPECIAL**—We have 1000 bu. of Red and Burr Oak Acorns, on which we can make special low price.

**SEED DEPT.**

**DUNDEE NURSERIES**

D. HILL, Prop.

DUNDEE, ILLINOIS

**PIERRE SEBIRE & SON**

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobolan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

**TREE SALESMEN WANTED**

AS AGENTS FOR

**TAK-A-NAP SOFT NAPHTHA SOAP.**

MIXES EASILY IN COLD WATER, MAKING PERFECT KEROSENE EMULSION. WRITE THEM.

TAK-A-NAP CO., DARBY, PA.

**F. E. SCHIFFERLI**

FREDONIA, N. Y.

Successor to WHELOCK & CLARK

AT IT SEVENTEEN YEARS

For **SPRING 1909**

GRAPE VINES AND CURRANT PLANTS

GRAPE AND CURRANT CUTTINGS

CORRESPONDENCE SOLICITED

**California Privet**

LARGEST STOCK IN THE COUNTRY

SEND FOR PRICES

C. A. BENNETT, Robbinsville, N. J.

**Fritsch & Becker, Wholesale Seedsmen**

GROSSTABARZ, GERMANY,

**Beg to Offer**

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. **Specialties:** Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested

**Grape Vines**

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

T. S. HUBBARD CO., Fredonia, N. Y.

**W. Fromow & Sons**

Windlesham Nurseries, Surrey, England

**NOW IS THE TIME** to place your orders for fall or spring deliveries of our well grown stocks of Roses, Rhododendron, Golden Privet, Retinosporas, Box, Holly, etc. For prices we refer to our latest wholesale price list mailed in November. For further particulars address our **SOLE AMERICAN AGENTS**

**AUGUST RÖLKER & SONS, P. O. Box 752, or 31 Barclay Street, NEW YORK.**

When writing to Advertisers mention The National Nurseryman.



# YOUNGER & COMPANY

GENEVA, NEB.

## CHERRY TREES

WESTERN GROWN

Our Trees are Vigorous, No signs of Fungus, or Leaf Mould, Well Graded and Price Right.

EUROPEAN PLUM. We have a fine assortment.  
STANDARD PEAR. A good supply of standard sorts.  
GRAPE VINES. Fredonia Grown and up to Grade good clean stock.

### SHADE TREES

ORNAMENTAL TREES AND EVERGREENS  
IN LARGE QUANTITIES

Write for Prices

## Native Ornamentals

I MAKE A SPECIALTY OF HARDY NATIVES  
SOME OF MY LEADERS ARE:

AZALEA CANESCENS—New | ALTHEA CRESTED BEAUTY  
The sweet scented pink variety. | Best deciduous hedge. Very floriferous.

Andromedas in var.	Ilex in var.	Sweet and Sour Gums.
Berberis Thunbergii.	Myrica cerifera.	Hardy Asters in var.
Betula lenta.	Rhus copalina.	Helianthus, in var.
Cercis Canadensis.	Sassafras.	Plumbago larpentae.
Cornus florida.	Spiraea van Houtteii.	Stokesia cyanaea, etc.
Euonymus radicans.	Sycamore, European.	Dahlias in best cut flower varieties.

My catalogue gives a complete list.—Ask me to quote on that lot of stuff the other fellow can't supply.

WILLIAM F. BASSETT,

HAMMONTON, N. J.

## Evergreens

are my leading specialty. Our soil and climate is acknowledged to be especially adapted for producing healthy, thrifty trees with an abundance of fibrous roots. My stock includes "Everything in Evergreens" from millions of small seedlings and transplants to well formed specimens 2 ft. to 20 ft. in height. In most varieties we have immense quantities in sizes that are just right for growing on, two and three year transplanted stuff with good roots and an abundance of them. You will be surprised how little money is necessary to build up a good stock of evergreens, and you don't have to figure on much loss when buying Hill's Evergreens, if you do your part. NOW is a GOOD TIME to stock up.

*I also make a specialty of growing*

### Forest Tree Seedlings

in immense quantities such as European Larch, Catalpa, Black Locust, American Elm, American Linden, Horse Chestnut, Sweet Chestnut Hard Maple, Norway Maples, Red Oak, White Oak, Burr Oak, Chestnut Oak, Black Oak, Birch, Beech, Ash, Box Elder, etc.

*In addition to the above I have a complete line of*

### Deciduous Shade Trees

of all the most important varieties. Several blocks of Elm 2 1/2 to 5 inches in diameter with extremely well formed tops and straight trunks. A fine lot of Linden.

1909 CATALOG READY NOW. WRITE FOR IT.

**D. HILL**

Evergreen Specialist  
DUNDEE, ILL.

"Dundee Grown" Trees Have Been Famous for Over Half a Century.

## DREER SPECIALS

FOR SPRING 1909

PÆONIES

PHLOXES

JAPANESE IRIS

GERMAN IRIS

TRITOMAS

And a most complete line of Hardy Perennials,  
Decorative Foliage and Greenhouse Plants

Write for special prices on your requirements

HENRY A. DREER, PHILADELPHIA, PA.

100,000

## CAROLINA POPLAR CUTTINGS

BEST WE EVER FURNISHED :

\$1.00 PER THOUSAND—IN LOTS OF 10,000 OR MORE

\$1.25 THOUSAND IN SMALL QUANTITIES

SOME OTHER ITEMS:

1,400 Norway Spruce, 125 Purple Lvd. Beech, 250 Ash Viridis, 50 Judas Tree 4-6 ft., 600 Black Locust 4-6 ft., 250 Ampelopsis Veitchii, 250 Hall's Honey Suckle, 450 South Orange Perfection Wichuriana Rose, 400 Aquilegia, 1,500 Hardy Asters, 400 Shasta Daisy 1000 Hemerocallis, 500 Phlox, 5000 Mercereau Blackberry.

WRITE FOR LOW PRICES ON THESE

**Central Nursery & Floral Co.**

KALAMAZOO, MICH.

## —Simplicity—

in a typewriter secures durability, ease and efficiency of operation, and increases the speed and accuracy of the work : the

# UNDERWOOD

STANDARD

## Typewriter

is a  
Marvel  
of  
Simplicity



Yet every part is carefully chosen as the best possible means to the perfect finished product.

There is nothing hidden about the Underwood. The type-bars lying when at rest in a compact segment; the patented guide—all the parts which permit the visible writing—which help, not bother, the operator will be shown you, explained also if you like; but really you'll see for yourself why the Underwood *does* endure and why its operation is easy, quick and accurate.

UNDERWOOD TYPEWRITER COMPANY, Inc.

ROCHESTER, NEW YORK



# J. H. SKINNER & CO.

Sta. "A," Topeka, Kansas

**SPRING, 1909**

FRUIT, SHADE AND ORNAMENTAL TREES  
FLOWERING SHRUBS.

ELM AND MAPLE SEEDLINGS, 1 YEAR. A few  
1 Year Seedlings of American Sweet Chestnut.  
Horse Chestnut. Kentucky Coffee Tree.

JAPAN WALNUTS: Will make attractive prices on  
600 3 to 4 ft. 900 2 to 3 ft. 2,000 1 to 2 ft.

# E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,  
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

**PEAR AND CRAB APPLE SEED,**

The most complete assortment of Ornamental Stocks,  
Trees and Shrubs.

**Geo. E. Dickinson,** 1 Broadway, N. Y.

At Geneva, N. Y., still in nursery rows, we have a fine  
block of 2 yr. cherries from which we offer the 5/8 to 3/4  
and 1/2 to 5/8 grades at **LOW PRICES.**

VARIETIES:—Montmorency, Early Richmond, English Mo-  
rello, Windsor, Lambert, Napoleon, Dykeman, Black Tar-  
tarian, Bing, Yellow Spanish, Gov. Wood.

We also have fine, 1st class Plums, 2 yr., 3/4 and up.

Lombard, Imperial Gage, Reine Claude, Grand Duke,  
Moore's Arctic, Prunus Pissardi.

Quinces, Persian Yellow Roses, Kieffer and Seckel Pears.

**WHITING NURSERY CO.** 646 Warren St., BOSTON, MASS.

**For Sale or Lease** a young nursery at Man-  
dan, North Dakota. The  
site selected by an experienced and reliable nurseryman of Minne-  
sota last year. Three hundred fruit trees, house and small barn.

Mandan is a division point on the Northern Pacific Railway. 3000 people. Mar-  
ket gardening would be very profitable here and there is land for it in this nursery  
adjoining the town.

Address L. N. CARY of Mandan, N. D.

ESTABLISHED 1868

**F. W. MENERAY**

# Crescent Nursery Co.

Council Bluffs, Ia.

We offer our large stock of  
PAEONIES at a special low price  
for Spring, 1909. Also a large stock  
of Cherries, Plums, Pears, Goose-  
berries, Deciduous Trees and Orna-  
mental Shrubs.

When writing to Advertisers mention The National Nurseryman.

# The L. Green & Son Co.

**PERRY, LAKE CO., OHIO**

Offers for Fall '08, one of the Most Complete Assortments  
in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan,  
and Native Plum, Peach, Ornamental Trees and a  
fine lot of Poplars, including 1 yr. whips, 3 to 7 ft.  
Lots of shrubs, vines, roses, evergreens, herbaceous  
and perennial plants. Also a nice lot of 2 yr.  
grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

Established 1780.

# Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

**SEASON, 1909**

FOR NURSERY STOCKS OF THEIR OWN  
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

# W. T. HOOD & CO.,

Old Dominion Nurseries

**RICHMOND, VA.**

Specialties for Spring 1909

Japan Pear Seedlings; California Privet---Fine Plants.

Special Inducements in Carload Lots

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all  
varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2  
yr., Champion, Orange, Meeches & Reas, exceptionally  
fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

**GENERAL LINE OF NURSERY STOCK**

Correspondence Invited.

When writing to Advertisers mention The National Nurseryman.



## Fine, Thrifty Western Grown Stock in Storage

SHIPMENT ON DAY ORDERED.

Two year old Cherry on Mahaleb  $\frac{5}{8}$  inch,  $\frac{1}{2}$  inch, and 3 to 4 feet. Very choice. Grown on Winfield Mahaleb. Bartlett and Beurre d' Anjou Pear, one year old, 364 and 4-5 feet.

### OSAGE HEDGE.

370,000 No. 1 60,000 No. 2

### LINNAEUS RHUBARB.

4,000 No. 1 two yr. 33,300 No. 1 one yr.

### HONEY LOCUST.

9,000 18 to 24 inch 22,000 6 to 12 inch  
32,000 12 to 18 " 5,000 4 to 6 "

### BOX ELDER, ASH AND ELM SEEDLINGS IN SMALL GRADES.

The following list of Shade Trees on leased ground will be sold or burned.

Kind	Caliper Inch	Height Feet	Kind	Caliper Inch	Height Feet
100 (Sycamore)	1 $\frac{1}{4}$	10-12	100 Box Elder	1 $\frac{1}{2}$	10-12
100 "	1	8-10	200 "	$\frac{3}{4}$ -1	6-8
150 "	$\frac{3}{4}$	6-8	165 Elm	1-1 $\frac{1}{2}$	10-14
480 Ash	1 $\frac{1}{4}$ -1 $\frac{1}{2}$	10-12	800 "	$\frac{3}{4}$ -1	6-8
350 "	$\frac{3}{4}$ -1	6-8	600 "	$\frac{3}{4}$	5-8
190 Blk. Locust	1 $\frac{1}{2}$ -2	15 up	200 Spec. Catal.	2	12-14
50 "	1	12-15	100 "	1 $\frac{1}{2}$	10-12
50 Honey Locust	2	12-15	165 Jap.	2	10-12
60 "	1 $\frac{1}{2}$	10-12	160 "	1 $\frac{1}{2}$	10-12
20 "	1	8-10	65 "	1 $\frac{1}{4}$	8-10
150 Box Elder	3	15-18	100 "	1	8-10
300 "	2	12-15			

## The Winfield Nursery Co.

(Incorporated) WINFIELD, KANSAS.

J. MONCRIEF, Pres. E. S. MONCRIEF, Vice-Pres. R. I. LEMON, Sec'y-Treas.

## B. E. Fields & Son

FREMONT NURSERIES

Fremont, Neb.



Growers of a General  
Line of Nursery Stock

## BALTIMORE NURSERIES Franklin Davis Nursery Company BALTIMORE, MD.

We offer for Fall, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list

## LEVAVASSEUR & SONS

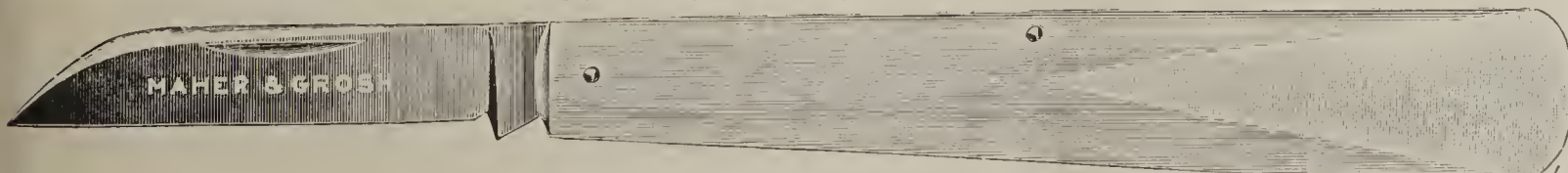
Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Any orders for Spring should be sent without further delay. Compare prices quoted in last Fall's trade list. Address us or our

American Agents, AUGUST ROLKER & SONS, New York, 31 Barclay Street, or P. O. Box 752.



BUDDING KNIFE No. 94. Sample by mail, 25c; 6 for \$1.25.



PROPAGATING KNIFE No. 89, 50c. Blade Closes; White Handle. Same Handle, but with Budding Blade, same price

MAHER & GROSH CO.,

90 A Street, Toledo, Ohio

When writing to Advertisers mention the National Nurseryman.

## NURSEYMEN'S KNIVES

Hand Forged Razor Steel Warranted

Nursery Pruner, 50c  
Pocket Pruner, 60c  
Pocket Budder, 35c  
Pocket Grafter, 40c

We Solicit Direct Trade

Send for 12-Page Special Nursery Catalogue.



# Evergreen and Forest Tree Seedlings in Large Quantities

A FULL LINE OF  
Specimen Evergreens  
Ornamental Trees  
Shrubs

WRITE FOR CATALOGUE  
**R. DOUGLAS' SONS**  
WAUKEGAN, ILLS.  
Established 1848

## Hermann Sievers *Halstenbeck*

*Near Hamburg, (Germany)*

FOREST and HEDGE PLANTS  
Dwarf Roses

Price List and special offer on application.

## 1908 Crop Evergreen Tree Seeds

Thuya Occidentalis	Am. A. Vitae
Larix " "	Mammoth Larch
Pinus Strobus	White Pine
Abies Canadensis	Hemlock
Pinus Banksiana	Divaricata

ALL GUARANTEED 1908 CROP

We have a quantity of above seed of our own collection, over and above what we need for our own sowing, and offer it to the trade at a price as low as good seed can be collected and sold for.

ADDRESS  
**EVERGREEN NURSERY CO.**  
STURGEON BAY, WIS.

"A tree, a plant, a leaf, a blossom, but contains a folio volume. We may read, and read, and read again, and still find something new, something to please, and something to instruct."

When writing to Advertisers mention The National Nurseryman.

## STARK BRO'S NURSERIES & ORCHARDS COMPANY

CAPITAL STOCK \$1,000,000

PIONEER NURSERIES OF THE WEST

Established 1825

Fourth Generation of Stark Nurserymen

STARK  
DIGGERS  
are now  
furnished  
with a  
very heavy  
double  
edged  
blade of  
highest  
quality  
crucible  
steel ;  
prevents  
all twists  
and spring.

A boy  
can pull  
trees  
loosened by  
the adjust-  
able lifter.



Thrown  
in or out o  
the ground  
quickly,  
without  
heavy  
lifting.  
Easily  
turned.  
Moved  
from one  
location  
to another  
on its own  
wheels.  
Used by  
many of  
the leading  
nursery-  
men; has  
always giv-  
en satis-  
faction.

Write for Descriptive Circular and Prices

General Office, Nurseries, Packing Houses  
LOUISIANA, MO.

BRANCHES { Starkdale, Mo. Rockport, Ill. Atlantic, Ia.  
Fayetteville, Ark. Portland and Dansville, N. Y.

Storage Capacity 1,000 Car Loads  
A GENERAL LINE OF NURSERY STOCK

## ARCADIA NURSERIES

Monticello, Fla.

Growers of General Fruit and  
Ornamental Trees in Quantity

High Grade PECANS our specialty

## The New England Nurseries, Inc.

BEDFORD, MASS.

HIGH GRADE FRUIT AND ORNAMENTAL  
TREES, SHRUBS, ROSES AND  
HERBACEOUS PERENNIALS

We grow everything required for Orchard, Garden,  
Lawn and Landscape Planting.

Catalog and Trade-list on application.

Opportunity comes to a man once in a lifetime, but there is no limit to the number of visits a man can make to opportunity.



# ORNAMENTAL STOCKS

**NURSERIES**  
**420 ACRES**

## WE GROW

FRUIT TREE STOCKS—All Sizes.  
300 varieties of Conifers, 1 to 4 years old.  
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.  
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.  
250 varieties of Climbing Plants.  
400 varieties of Conifers, 1 to 4 feet high.  
400 varieties of Perennials.  
800 varieties of New and Old Roses.

We Have No Agents.  
Write direct to us and  
ask for **WHOLESALE**  
**CATALOGUES**

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

**BARBIER and CO., Successors,**

Orleans, France

Subscribe now for the **NATIONAL NURSEYMAN**

So as to keep in touch with the news of the Convention

To be held in the city of Rochester this coming June

WE HAVE ON HAND

## 650 BALES OF RAFFIA

Sounds a lot, doesn't it? but we have good reasons for believing that Raffia prices are going 'way up. That's why we stocked up. We advise you to do the same while prices are low.

### RED STAR BRAND

This is the Nurseryman's grade. The best Raffia we can offer at any price. Long, strong and white.

### ARROW BRAND

Good ordinary quality, Second only to the Red Star Brand—offered at a lower price.

We will book your order now and ship when required. If you defer ordering until budding time you might pay more. Send for samples and prices, stating quantity required during 1909.

**McHUTCHISON & CO., Raffia Importers**

17 Murray St., NEW YORK CITY

## PEACH SEED

1908 CROP - - - GOOD STOCK

**THOS. R. HAMAN**

1614 E. Oliver St., Baltimore, Md.

## HELP WANTED.

We have place for experienced help in the Nursery and office. Also for several first class salesmen. We will pay the highest wages to competent men.

**MONTANA NURSERY CO., Billings, Montana.**

35TH YEAR

## Pan Handle Nurseries

WE OFFER A COMPLETE ASSORTMENT OF NURSERY STOCK CONSISTING OF

Apple	Poplar Carolina	Ampelopsis
Pear	Poplar Volga	Roses
Plum	Elm American	Evergreens
Cherry	Sycamores	California Privet
Peach	Mountain Ash	Buxus
Grape	Althea	Weeping Trees
Currant	Hydrangea	Catalpa Seedlings
Gooseberry	Barberries	Black Locust "
Small Fruits	Syringae	Fruit Tree "
Maple Norway	Clematis	Catalpa Speciosa Seed.
Maple Schwedlers	Honey Suckle	Etc., Etc., Etc.
Maple Silver	Wistaria	

Our stock is well grown and graded. Prices are such that it will pay to investigate. Come and see us or write.

**J. K. HENBY & SON**

GREENFIELD, IND.

## P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our **HOLLAND NURSERIES**. Some of the goods on hand here during the packing season.

# RAFFIA

**WHY  
RED STAR  
BRAND?**

"Red Star" brand has made good the country over and the amount of its consumption to-day exceeds all other brands combined. Why? Because it's a good uniform (uniformity is a rarity in raffia) grade and—which accounts for its great popularity—we guarantee to replace any that proves inferior.

You take no risk. Write to-day for free sample.

**Thomas Meehan & Sons,** Box X  
Dresher, Pa.  
Wholesale Importers of "Red Star" Raffia.

# WOOD LABELS

FOR NURSEYMEN  
AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our careful attention.

Samples and Prices Cheerfully Given.

**DAYTON FRUIT TREE LABEL CO.**

SOUTH CANAL STREET,

DAYTON, O.

When writing to Advertisers mention The National Nurseryman.



Largest Grower in America of  
**GRAPE VINES**

Other Specialties

**Currants and Gooseberries**

INTRODUCER OF CAMPBELL'S EARLY GRAPE  
 JOSSELYN GOOSEBERRY, FAY  
 CURRANT.

OVER THIRTY YEARS WITH NO CHANGE WHATEVER IN  
 OWNERSHIP OR MANAGEMENT.

Our main business is the growing of unusually high grade stock suitable for the proper filling of Nurserymen's Retail Orders. There being no standard for grading above kinds of stock, every grower of the same is at perfect liberty to adopt his own ideas for growing and grading and alter the same as often as he sees fit.

Our stock this season has made very heavy growth and we have ordered extra boxing to meet this necessity. Box and packing free.

Prices reasonable but not always lower than are generally quoted for light rooted stock.

Please send us your list of wants.

**George S. Josselyn,**  
 FREDONIA, NEW YORK

**For Spring, 1909**

Many lines of Shrubs, Ornamentals etc. will be very scarce. We have a good supply of the scarce articles, as well as a large and complete stock of Fruit, Shade, and Ornamentals, Shrubs, Perennials, Roses and Forest Tree Seedlings.

Send us your want lists for special prices.  
 Trade list ready February 15th. Send for copy.  
 1500 lbs. Black Locust Seed to offer.

*The Willadean Nurseries*

THE DONALDSON CO.,

WARSAW, KY.

**Grafted Pecan Trees**  
**THE NUT NURSERY CO.**

R. C. Simpson, Mgr.,

MONTICELLO, FLA.

**A BARGAIN** IN STANDARD PEARS.  
 Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere  
 Address,

**PIONEER NURSERIES COMPANY,**  
 Salt Lake City, Utah.

When writing to Advertisers mention The National Nurseryman.



**HEIKES-- HUNTSVILLE -- TREES**

**HUNTSVILLE**

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Spring of 1909, Pears, Plums, Cherries, Peaches, Roses, and Pecans in large quantities as usual.

**SPECIALTIES**

**KIEFFER PEARS**—Which we grow in larger numbers than any other nursery in the United States. Our stock for the coming season, while not as large as usual, will be sufficient to enable us to make reasonable prices.

**PEARS, Assorted Standard**—Our assortment comprises Koonce, Early Harvest, Le Conte, Howell, Bartlett, Smith's, Garber, Duchess d'Angoleme, Japan Golden Russet, Magnolia, Beurre d'Anjou and Lawrence.

**CHERRIES**—We are also the largest grower of Cherries; but our stock of two years old for this season will be comparatively short.

**PEACHES**—We also excel in Peaches, and of these we will have both in one year and June buds the largest stock we have ever grown.

**PLUMS**—A light stock of these for this year.

**PECANS**—We continue to make a specialty of grafted Pecans. These are grown at our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

**ROSES, Budded**—These are also grown at Biloxi, Miss., because of the favorable conditions found there for their propagation. Our stock is large, consisting principally of Hybrid Perpetuals, Mosses, Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

**SOMETHING NEW**—A Root-Graft Wrapping Machine invented by W. H. Bell, the Superintendent of these nurseries. It does the work perfectly and will be on exhibition at the Nurserymen's Convention at Milwaukee.

Address, **W. F. HEIKES, Manager,**  
 HUNTSVILLE, ALA.

**ROSES - SHRUBS - CANNAS - PHLOX**  
**JAPANESE IRIS - HERBACEOUS PAEONIES**

All Field Grown - Big Money **VALUES**

Tea's, Hybrid Teas, Hybrid Perpetual, Mosses, Rugosas, Climbers, Ramblers, — **THIRTY** types in all. Enormous quantities—Assortment the greatest.

Send us your list—Now !

Get our quotations—Now !!

Ask for our catalog—**NOW !!!**

**The United States Nursery Co.**  
 RICH - Coahoma County - MISS.

**Charles Detriche, Senior**

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

**ANNOUNCES**

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

**JACKSON & PERKINS CO.**

NEWARK, N. Y.

When writing to Advertisers mention The National Nurseryman.



# Maple Avenue Nurseries

*We wish to call the attention of the Trade to our large stock of Ornamentals, especially:*

American Ash, Catalpa Bungeii, English, Mossy-Cup, Pin, Red, Scarlet and White Oaks, Sweet Gum.

ORIENTAL PLANES,—one year from cuttings, fine, from one to three feet for planting in nursery rows.

A large assortment of Evergreens in all sizes. Our usual fine assortment of Shrubs.

Strong Everblooming Roses from four inch pots, our new Christine Wright, a beautiful pink climber.

NORTH CAROLINA NATURAL PEACH SEED  
Send for samples and price

S E N D F O R T R A D E L I S T

## Hoopes, Bro. & Thomas Company

WEST CHESTER, PENNA.

Philadelphia Office, 222-3-4-5 Stephen Girard Bldg., 21 South Twelfth St.

**H**AVE you seen and examined the quality of our water-proof rawhide shipping tags and tree labels? This stock is especially adapted to hard usage and outside use. "Once used, always used." Send for samples and prices. Our references are the largest Nurserymen in the United States.



## The Denney Tag Co.

WEST CHESTER, PA.

## Wholesale Only

The "Faction" we believe in is SATISFACTION—the kind that scores at both ends—yours, as well as ours. In the fields, and through the seasons, in the grading piles, and through the packing house, WE WORK FOR THAT FACTION!

You will not call us a "cut price" concern; none of that ambition here. People don't PLANT the "prices." QUALITY FIRST—and as high as we're able—then, prices within reach and reason—that's the way we look at it.

Of couses, by Feb'y 1st some lines are sold out, but we still have an O. K. stock of many—and maybe just what you want.

In Light Peach, both One-Year and June Buds, nice little trees, magnificent roots, trees that will pass muster anywhere, we have the following in grades:

3 TO 4 FEET  
2 TO 3 FEET  
18 TO 24 INCHES  
12 TO 18 INCHES

Belle of Georgia  
Captain Ede  
Carman  
Chairs Choice  
Crawford's Early  
Crawford's Late  
Crosby  
Elberta

Greensboro  
Mayflower  
Mountain Rose  
Salway  
Sneed  
Stump the World  
Triumph  
Waddell

And many other things.

Please send your Want List. Correspondence gets immediate, personal attention.

## CHASE NURSERY COMPANY

HUNTSVILLE, ALABAMA

## Wholesale Only

## B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.  
WEeping BLUE SPRUCE. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.  
ROSES, Hybrid Perpetual and Hybrid Tea varieties.  
CONIFERS and EVERGREENS, 150 varieties.  
RHODODENDRONS, Hardy Hybrid and Maxima, 50 varieties.  
EVERGREEN SHRUBS, 35 varieties.  
FLOWERING SHRUBS, 350 varieties.  
JAPANESE MAPLES, 25 varieties.  
ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.  
WEeping and STANDARD DECIDUOUS TREES, 50 varieties.  
HEDGE PLANTS, 25 kinds.  
HARDY VINES and CLIMBERS, 75 varieties.  
PLANTS and TRAILING VINES, 12 varieties.  
SPRING and SUMMER FLOWERING ROOTS and BULBS, 250 varieties.  
DECORATIVE and FLOWERING PLANTS, 50 varieties.  
TRAINED and OTHER FRUIT TREES. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.  
SMALL FRUITS, 75 varieties.  
NEW and RARE TREES, SHRUBS and EVERGREENS, 35 varieties.  
MISCELLANEOUS NEW and RARE PLANTS and VINES, 25 varieties.  
HARDY HERBACEOUS PLANTS (Old Fashioned Flowers) 1,000 varieties.  
NEW and RARE CHOICE HARDY PERENNIALS, 65 varieties.  
ORNAMENTAL GRASSES, 30 varieties.  
HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG VISIT NURSERIES  
**BOBBINK & ATKINS,**  
NURSERYMEN AND FLORISTS,  
RUTHERFORD, N. J.



## L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolus, Cannas and Dahlias  
Nurserymen Should Try My Simplex Tree Baler  
IT DOES THE WORK. PRICE \$16.00.  
Special 20,000 California Privet.

## North Carolina PEACH SEED Natural

Write for sample  
and special prices.



Clark Nursery Co.  
Rochester, N. Y.

"You Get What You Order."

## PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED, crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,  
4th Ave. & Clinton St., BALTIMORE, MD.

## Surplus Stock for Spring 1909

VIBURNUM PLICATUM, or Japan Snowball  
AMERICAN ARBOR VITAE, 3 and 4 ft.  
KIEFFER PEARS, First cl.

The Viburnums and Arbor Vitae have been root pruned and  
therefore transplant with better success.

THE MORRIS NURSERY CO., West Chester, Chester Co., PA.

## PEACH SEED

I still have a few hundred bushels of 1907 crop peach pits. Special prices to close them out. Write

C. G. NIEMAN, Port Clinton, Ohio

## Budded Pecan Trees

Japan Persimmon, Japan Walnut,  
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,  
JACKSONVILLE, FLA.

## PEONIES

ONLY BY THE WHOLESALE

Let me send you my list of OVER ONE HUNDRED Best Varieties.  
J. F. ROSENFELD, WEST POINT, NEBR.

When writing to Advertisers mention The National Nurseryman.



400 best sorts  
**ROSES**  
for lining out.

SEND your want LIST  
for our

THE LEEDLE FLORAL COMPANY  
SPRINGFIELD, OHIO

## R. C. PETERS & SONS

IRONSHIRE, MARYLAND

(Successors to)

Wm. M. Peters' Sons, Snow Hill, Md.

Bell Telephone connections in office.

Telegraph Office, Berlin, Md.

Offer for Spring 1909

Peach Trees of all the leading varieties,  
California Privet and Grape Vines

Send in your list of wants for Special Prices.

Grand stock of specimens  
London Planes,  
Acer Schwedleri,  
Lime Dasystylla,  
Horse Chestnuts—red  
and white flowered  
Thorns—Paul's Scarlet,  
Large leaved Elm's, Etc.

GROENEWEGEN & SON  
ROYAL NURSERIES  
DE BILT  
near Utrecht  
HOLLAND

Catalogue 1909 now ready,  
will be sent on  
application.

## For Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

## Hedge Plants, California and Amoor River Privet

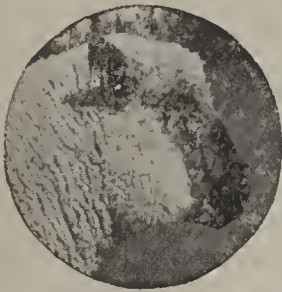
We offer the trade nearly a million plants in the above for Fall and Spring delivery. Write for wholesale price list. We have fine well branched stock, grown especially for the Nurserymen's Retail trade, and offer prompt and satisfactory services. We have also 50,000 Soft Maple Seedlings, some Carolina Popular and American Sycamore in surplus, with other ornamental stock. Trade list ready August the first. VALDESIAN NURSERIES.

Bostic Department, Bostic, North Carolina.

When writing to Advertisers mention The National Nurseryman.



## Natural Guano



PULVERIZED Sheep Manure, pure and unadulterated. Unexcelled for all kinds of Nursery Stock, giving healthy and luxuriant growth to the plant. Can be applied either with drill or fertilizer attachment.

Price and freight rates on application.

**Natural Guano Company**  
AURORA, ILLINOIS

## ALMA NURSERIES, Oudenbosch, Holland

NURSERIES AT

**Oudenbosch and Boskoop**

Proprietors { U. J. Heerma Van Voss, Czn.  
H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Largest growers of Ornamental, Deciduous and Evergreen Nursery Stock.

SOLE AMERICAN AGENT:

J. MEERKAMP VAN EMBDEN, Mt. Vernon, N. Y.

WRITE FOR CATALOGUES AND SPECIAL QUOTATIONS

## B. RUYS

**Royal Moerheim Nurseries**  
**Dedemsvaart, Holland**

LARGEST GROWERS OF

## Hardy Perennials

(Largest Stock in Europe), DWARF ROSES, specially new sorts, STOCKS of ROSES, RHODODENDRONS, many new sorts as Pink Pearl, etc. COLORADO BLUE SPRUCES, enormous stock, CURRANTS, new sorts, etc.

The following PERENNIALS can be specially recommended:

Gypsophila paniculata fl. pl.  
Aconitums Wilsoni and other sorts.  
Aster Thompsoni, extra fine clear blue, early.  
Campanula persicifolia Moerheimi (own raising).  
Clematis erecta fl. pl.  
Delphiniums, many novelties.  
Dictamnus caucasicus.  
Eremurus, many sorts.  
Incarvillea grandiflora.  
Papaver, Phlox and Pyrethrums.  
Tunica Saxifraga, fl. pl. etc. etc.

American Address during February and March:

In care of MESSRS. MALTUS & WARE,

**14 Stone Street New York City**

Write for catalog and special prices.

## SIMPSON

is the name of the men who  
grow the finest

## CHERRY

that can be produced by suitable soil, climate and expert knowledge.

Take a look at the stock or ask for a sample and be convinced of the *extra quality* of their

## TREES

**H. M. Simpson & Sons,**

Vincennes, Indiana

## Specialties

PEARS, Kieffer—PEACHES, all grades, in large assortment—CHERRY—PLUMS, European and Japan.

### EVERGREENS

Arbor Vitae, 2 to 10 ft. Irish Juniper  
Norway Spruce Pyramidalis  
All in large sizes.

BLACK LOCUST  
SEEDLINGS

GOLDEN WILLOW  
in small sizes

Silver Maple, American Elm, Catalpa,  
Bungei, Cut Leaf Weeping Birch

Write for Special Prices

**The Farmers Nursery**  
**Company**

TROY, OHIO

Nursery Stock grown at Dansville, N.Y. and Troy, O.



# Your Strawberry Plant Orders

**F**OR SEVERAL years I have been filling strawberry plant orders for a great many leading nurserymen. Most of these send me their shipping instructions and tags and I ship direct to their customers. As this seems to be the best way for nurserymen to have their strawberry plant orders handled I am preparing to greatly improve my facilities for this work and to make it one of the main features of my business. The additional charge made for handling orders in this manner is very small, just enough to pay the additional expense of billing out small orders. I also ship plants direct to nurserymen who wish to bill out their own orders.

The extensive improvements I expect to make this summer will enable me to give all nurserymen prompt, accurate and careful service.

If you buy strawberry plants get in communication with me before contracting for your next season's supply

## W. W. THOMAS

THE STRAWBERRY PLANT MAN  
ANNA, ILLINOIS

200 ACRES IN PLANTS

ASPARAGUS AND RHUBARB ROOTS

NAMES OF NURSERYMEN WILL BE PROTECTED

ESTABLISHED 1845

## Bryant's Nurseries

IF YOU ARE INTERESTED IN:

Box Elder, Elm, Soft Maple  
and Walnut Seedlings.  
Elm, Linden, Norway Maple  
and Carolina Poplars all sizes.

A GENERAL STOCK OF

Althea,  
Barberry Thunbergii,  
Siberian Dogwood,  
Spirea Van Houttii,  
Purple Leaved Barberry,  
Persian and Purple Lilacs,  
Azalias,  
Clematis,  
Hydrangeas.

Also a large stock of Cherry, Plum,  
Peach, Grapes, Currants and  
Gooseberries.

Send for Spring List just issued.

**ARTHUR BRYANT & SON**  
PRINCETON, ILLS.

When writing to Advertisers mention The National Nurseryman.

## Easterly Nursery Co., CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

## BOX STRAPS WARD-DICKEY STEEL COMPANY INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

## Colombe-Lenault-Huet, NURSERYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE, VERY GOOD PACKING.  
WRITE DIRECT, I HAVE NO AGENTS.

## 4,000,000 PEACH TREES

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,

WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry. Write for prices.

## JAMES' SONS, Nurserymen Ussy, Calvados, France.

A General Assortment of Fruit Trees and  
General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.  
Write direct to us, we have no agents.

## Vincennes Nurseries W. C. REED, Prop., - VINCENNES, IND.

The Home of ALICE and the CHERRY TREES

We have the Soil, the Climate and the Experience and can furnish a tree that can not be surpassed for Vitality or Size.  
Foliage all on our Trees August 1st as fresh and green as May insuring well ripened wood, the kind that will live when Transplanted.  
Splendid Tops and Fine Roots.

Cherry Being Our Specialty Can Furnish in 100,000  
Lots or Less, All Leading Varieties.

Two Year Cherry, 1 in. up XX Fancy One Year Cherry, 3-4 in. up  
" " 3-4 to 1 in. " " 5-8, to 3-4, and  
" " 5-8 to 3-4 & 1-2 to 5-8. 1-2 to 5-8.

CHERRY BUDS furnished on short notice, any quantity. General line of other Fruit Stock Ornamentals, Roses, Shade Trees, Weeping Trees, etc. Submit List of Wants for prices. Personal inspection invited.

## AGENTS WANTED

ON LIBERAL COMMISSION TO INTRO-  
DUCE FOR SPRAYING

TAK-A-NAP SOFT NAPHTHA SOAP, or SOLUBLE OIL  
THAYER-HOVEY SOAP CO., DARBY, PA.

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# PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST  
COMPLETE ASSORTMENTS OF STOCK FOR

## Nurserymen and Florists

in the United States, including Fruit and Nut Trees,  
Deciduous and Evergreen Trees and Shrubs, Roses,  
Hardy Vines, and Plants, Small Fruits and Grape  
Vines, Tender Plants, Bulbs and Seeds. . . . .

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in. Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

### Roses—

Hybrid  
Perpetual  
Ramblers,  
Climbers,  
Etc.,  
in large supply.

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.



ROSA SETIGERA

Pleased to  
price your list  
of wants or to  
show you our  
stock. Special  
inducements  
on car lots. If  
you have not  
received our  
fiftieth anni-  
versary de-  
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log, send for  
it. Catalogs  
and Price  
Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

*The* **STORRS & HARRISON Co.**  
PAINESVILLE, OHIO



# Violet Blue Rose

## A Remarkable Novelty

THE NEW Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy.

For descriptions of this great novelty, as well as many others, send for Booklet.

## Ellwanger & Barry

Mount Hope Nurseries  
Rochester, N. Y.

## THE GENEVA NURSERY

### SPECIAL OFFER

Apple, Quince, Pear, Cherry,  
Peach, Plum.

Well graded in all grades

Headquarters for Fruit and Ornamental  
Trees, Shrubs, Berries, Phlox, Clematis,  
Evergreens, Peonies,  
Azaleas, Rhododendrons.

### ROSES

BUDDED AND ON OWN ROOTS

CUT LEAF BIRCH, EUROPEAN WHITE BIRCH,  
SPIREA VAN HOUTTE, BARBERRY  
THUNBERGII

WRITE FOR OUR SPECIAL PRICES

Special attention given to Dealers' Complete Lists and Carload Lots

## W. & T. Smith Co.

Established 1846

Geneva, N. Y.

700 ACRES

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"When in doubt, lead TRUMPS."  
That's Whist.

When in doubt,—About Stock—try  
"J. & P." That's Sense!

Of course, if you're familiar with Newark Grades and Prices, you won't be in doubt; certain specialties grown here have become known to the Trade the country over. They are ROSES, CLEMATIS, TREE HYDRANGEAS, TREE LILACS, AMPELOP-SIS VEITCHII. While we have booked orders for immense quantities of these items, we grow them in big blocks and can still take care of further orders for Spring. Can't you send us YOURS? We shall be glad; you will, too, when you get the stock. In these specialties, we grade right up to the HIGHEST STANDARD—and that is the J. & P. STANDARD—the reputation we have established in these lines. We grow a general stock as well. TRY US.

NEW LIST NOW READY. SEND FOR COPY.

## Jackson & Perkins Co.

"The Preferred Stock"

Grown at NEWARK, in WAYNE CO., NEW YORK STATE

## BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall delivery, from 10 inches to 3 feet.



### ALTHAEA

#### MEEHANII

(Hibiscus Syriacus)  
(Newvariegated  
single flowering  
Althaea).

Field grown  
DOROTHY  
PERKINS,  
CRIMSON  
RAMBLER,  
and MARIE  
PAVIE Roses.  
AZALEA

INDICA,  
CAMELLIA,  
MAGNOLIA  
grfl.

WIER'S  
MAPLE,  
TEAS,  
MULBERRY,  
TULIP  
POPLARS,  
all first class.

Send for prices.

## P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

:: AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman.



# SURPLUS STOCK

LIGHT GRADE Apple, Pear, Cherry and Plum. These trees are well graded and are free from gall, aphids and scale.

SPECIAL PRICES on 1-2 in. and 3-8 in. Sour Cherry. Also on 5-8 in. and 1-2 in Plum.

BOX ELDER in all grades.

Kentucky Coffee Tree.

Oriental Plane.

Oaks.

Carolina and Volga Poplar.

We also have our usual line of No. 1 stock.

FALL 1909

A fine lot of stock, including a few hundred thousand apple.

CATALPA SPECIOSA PURE

No doubt or guess work about it, because we have gathered the seed ourselves and given it personal attention. We are ready to book orders now, subject to crop conditions.

**C. M. Hobbs & Sons,**  
Bridgeport, Ind.

# Nursery Stock

**Walter Charles Slocock**

GOLDSWORTH NURSERY

WOKING, SURREY, Eng.

HAS THE USUAL EXTENSIVE STOCK OF  
THE FOLLOWING :

CONIFERS including a quantity of well shaped specimens for decorative purposes. Low prices can be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN AND DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.

MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.

Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other AMERICAN PLANTS.

(A good stock of all hardy varieties of Rhododendrons.)

CLEMATIS and other HARDY CLIMBING PLANTS.

Transplanted FOREST TREES.

THE STOCK IS IN EXCELLENT CONDITION  
LARGE QUANTITIES SHIPPED ANNUALLY.

# McHUTCHISON & CO.

17 Murray Street, NEW YORK CITY

Representing in United States and Canada

**Vincent Lebreton, Angers, France**

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobalans, Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

Write for special prices, lists, catalog, etc.

**Schaum & Van Tol, Boskoop, (Holland)**

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS, HARDY AZALEAS, BOXWOOD, PAEONIES, CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

**Union Nurseries, Oudenbosch, (Holland)**

LARGE GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE CHESTNUTS, RIVERS PURPLE BEECH, THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

**Royal Tottenham Nurseries**

Deedemsvaart, Holland

Largest Growers of

HERBACEOUS PLANTS, PERENNIALS, ETC.

Write for catalog.

We are direct importers of

ENGLISH MANETTI, RHODODENDRONS, Etc., JAPANESE NURSERY STOCK, MAPLES, SCIADOPITYS, TREE PAEONIAS, THUYA, JAP BULBS, Etc.

**BAY TREES**

Pyramids and Standards from Belgium

**RAFFIA, Red Star Brand,**

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY

SHIPPING. We have our own Custom House Department. Special facilities at Havre, Antwerp, Rotterdam, Southampton, Hamburg, etc. Lowest rates consistent with perishable nature of stock.

**McHUTCHISON & CO.**

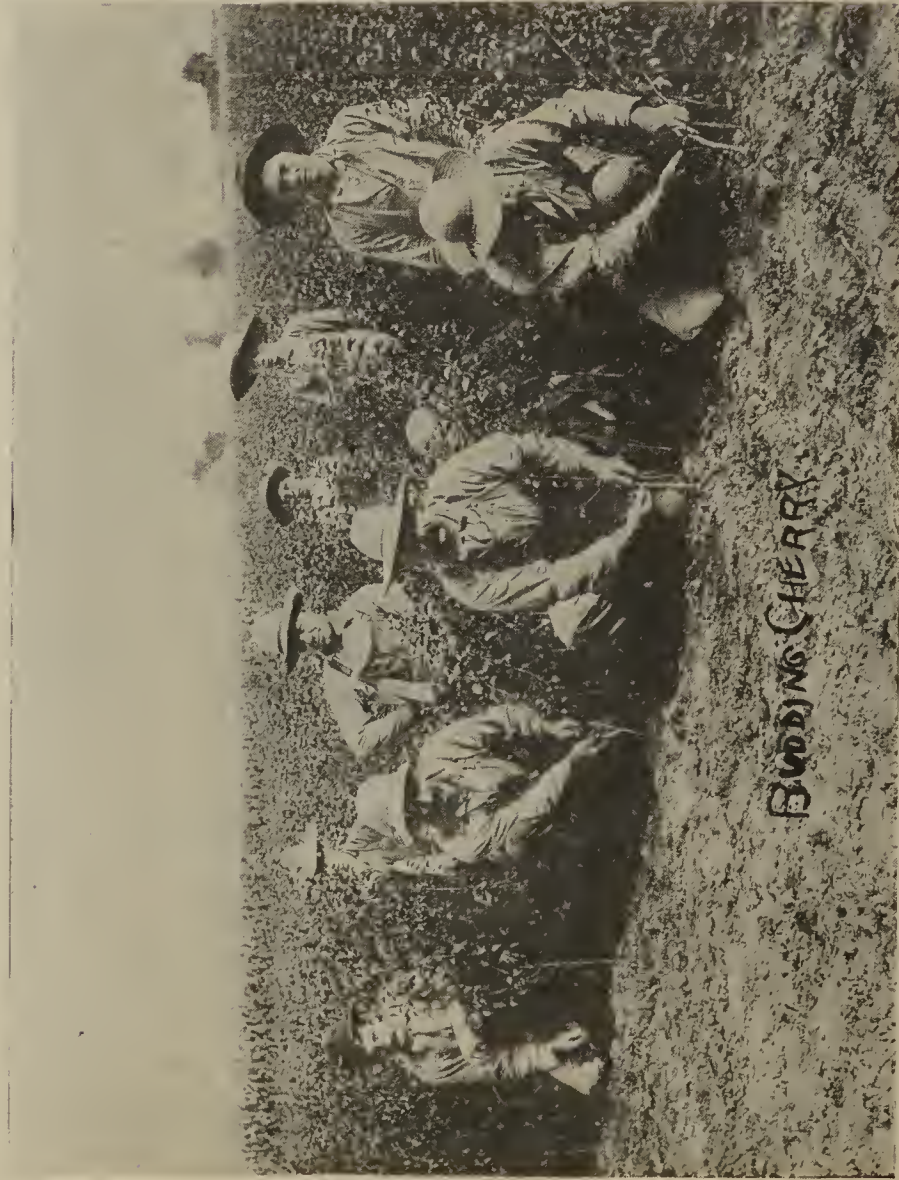
17 Murray Street,

NEW YORK.





Homes of Members of Firm of Marshall Brothers., Arlington, Nebraska.



The Budding Gang at Work.

Scenes in the Arlington Nurseries and Fruit Farm, Marshall Bros. Proprietors, Arlington, Nebraska.



Choice Specimens of Conifers in the Arlington Nurseries.



# The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

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Vol. XVII.

ROCHESTER, N. Y., MAY, 1909

No. 5

## AN ENTERPRISING NEBRASKA FIRM

### The Arlington Nurseries and Fruit Farm

PROPRIETORS, MARSHALL BROTHERS, OF ARLINGTON, NEB.

Time was when it was thought that all the region west of the Iowa part of the Missouri River and stretching to the Rocky Mountains was simply a contribution to that territory known as the Great American Desert. But so much new light, the outgrowth of experience and accomplishment has been shed upon the resources and possibilities of this country in the last quarter of a century, that the term has long since not only been recognized as absolutely inappropriate but the real wonder is how it ever came to be applied! While the wheat farmer, the corn grower and the cattle rancher has each had a part in enlightening the public in regard to the resources of the country and aiding in the removal of the popular misconception, yet no one has contributed more pointed and suggestive information, no one has furnished more striking object lessons in relation to the possibilities and adaptations of soil and climate than has the grower of fruits and ornamentals. The nurserymen of the now middle west represent up to date ideals. At each meeting of the American Association these men from the upper Mississippi and Missouri Valleys are marked as men of ability and enterprise.

The subject of this sketch is the enterprise built up by Marshall Brothers of Arlington, Nebraska. These men are the products of Nebraska conditions. They grew up, and with the country. For while they were not born in the section in which they now live they were middle westerners in the days when the Mississippi was western boundary and arrived in Nebraska as youngsters having thus secured their training, their life experience and their outlook in the environment of their present nursery enterprise.

The firm consists of C. C., George A., Harvey W. and A. C. Marshall. They were born in Ohio, but as already

intimated arrived on the present scene early in their life history. The father engaged in the type of farming characteristic of that country in the early 80's, at the time when corn and hogs, with some wheat, were the prevailing crops. The nursery business though a feature which was established only a little over twenty years ago, is one which has grown

with rapidity and at the same time with that substantial quality so desirable, under the directing influence of the second generation.

The primary organization was effected by C. C. and G. A. Marshall in the spring of 1887. The merest beginning was made at this time. Two or three years later, H. W. Marshall, another brother, was taken into the firm, and very recently A. C. Marshall, a

younger brother was included. Of late years, the senior member, C. C. Marshall, has been gradually withdrawing his active participation in the business while retaining a financial interest.

Under Nebraska soil conditions, the grower can with a proper knowledge of climatic peculiarities grow great crops of trees in a single season. It is largely a question of conservation of soil moisture. The rich prairie lands contain abundant available and potential plant food which only needs a regular supply of moisture to make available for the production of vigorous plant growth. Modern methods of soil management have taught growers how to secure the maximum returns from the natural rainfall of the country. No one has studied this more carefully than the nurseryman. The Marshall Brothers understand its principles thoroughly. They are students as well as operators, and the stock they grow, marketed in wholesale as well as retail quantities, is convincing evidence of their skill as tillers of the soil.



Coniferous section of the nursery.



The *Arlington Review-Herald* recently published a pictorial sketch of the different aspects of this nursery firm, from which we cull some of the following facts:

The firm has been in business there for twenty-one years. Its growth has been steady and constant. The year 1908 marked the largest business in the history of the company. Shipments of stock are made all over the country, some even invading the heart of the nursery district of western New York. Among other lines the Marshalls have specialized in hardy apples. One of the varieties they have been pushing is the Windsor Chief, an apple of Wisconsin origin, and one which seems to be specially adapted to mid-west conditions. The Marshall Brothers are heavy growers of root grafted stock. This year saw deliveries made at more than 250 towns in Nebraska, as many more towns outside the state, in addition to several large shipments in wholesale quantities despatched to distant points. These express shipments are also supplemented by an extensive mail order business which covers the country at large. One of the special aims and a consistent ideal of the company is to fill orders accurately as to variety and quantity; their pride is to so fill the order that no kicks follow delivery.

It is estimated that during the present season of 1909, more than sixty cars of stock will go out of the Arlington nurseries, about nine-tenths of this going by freight and the balance by express. A summary of the stock in nursery at the close of last season was as follows:

Apples, 300,000; cherries, 100,000; plums, 60,000; peaches, 20,000; pears, 10,000; grapes, 100,000; gooseberries 25,000; currants, 25,000; strawberries, 500,000; raspberries and blackberries, 55,000; roses and other shrubs 20,000; forest trees and seedlings, 1,000,000; ornamentals, 200,000.

As orchardists the members of this firm have a stake in fruit growing, for their bearing apple and other tree fruits now approximates eighty-five acres.

While these men have been active and industrious in promoting the enterprise with which they are immediately and directly connected, they have not by any means overlooked other duties and responsibilities in the world of affairs around. For a number of years Mr. G. A. Marshall has been a leading spirit in the work of the State Horticultural Society of Nebraska. For fifteen years he was a director, and for five years was chief executive. We find then in this firm of nurserymen, which during the year, 1909

served between thirteen and fourteen thousand customers residing in almost every state in the Union, one of the younger representatives of nursery ideals characterized by energy, industry and progressiveness. In the newer lands of the Middle West men of this quality, and firms possessing these ideals, with interests broader than those which serve self, are needed to place fruit growing on a sound and stable foundation.

The Arlington Nurseries have a prominent place in the fruit growing interests of the west at the present time and are appealed to by fruit growers of the present, as well as those having prospective views on the subject, for advice and for stock by means of which to establish homes and fruit centers here and there, throughout the rapidly developing western section of the Prairie States.



General view of Arlington Nurseries, Marshall Bros.

### WESTERN MEN COMING.

April 22d, 1909

EDITOR NATIONAL  
NURSERYMAN

Sir:—

Mr. A. J. Brown of Geneva, Neb., is now the President of the Western Association of Nurserymen and can give you the information wanted from the official source. Everything points I think to the best meeting we have had in years, in the way of attendance. The Western Nurserymen have had a good spring season and all should make the trip east, where they can inspect the principal Nursery center of the U. S.

Parsons, Kas.

### ALTHEA CRESTED BEAUTY.

This recently introduced Althea is, in color the exact counterpart of the well known and popular Crimson Eye Hibiscus but the crimson rays extend farther into the pure white. It is extremely floriferous and the single blooms are the largest of any of the Althea family and the faded flowers do not disfigure the plants as they do in the dark colored sorts. In common with other Altheas, it produces its flowers on the new wood so that the closer it is sheared in spring the larger and more numerous they are and as it blooms from early summer till cold weather comes it is an ideal hedge plant.

March 23d, 1908.

WM. F. BASSETT.

"Our doubts are traitors,  
And makes us lose the good we oft might win  
By fearing to attempt."



## EDITORIAL WANDERINGS

### BAY STATE HORTICULTURISTS.

It is especially interesting to visit a region which at one time represented the beginnings of fruit culture in the New World. It is fair to say that Massachusetts is the cradle of amateur fruit growing in this country. Long before the commercial orchards which now reflect credit and bring large revenue to western New York were planted, Massachusetts horticulturists were holding fruit exhibitions in Boston, where great collections of pears, apples and grapes were displayed. These exhibitions were under the direction and largely due to the stimulus and influence of that grand old amateur fruit grower, Marshall P. Wilder.

The history of the Massachusetts Horticultural Society is interwoven in large measure with the development of commercial fruit growing in this country. This is peculiar inasmuch as the commercial aspects of fruit growing have never become prominent in the Bay State. There are few people who recognize the fact that apple growing was made possible to a considerable extent in the north-west states by reason of the efforts of this New England society. Few people

recognize that the first public experiment station devoted to the study of fruit adaptations in this country was that under the guidance and direction of the Massachusetts Horticultural Society at Salem. The first report of this society by its secretary, Mr. Manning, recorded the introduction of three or four varieties of hardy apples, which afterwards and up to the present time have exerted and are still exerting a tremendous influence on the fruit growing of the colder regions of this country. The Massachusetts Horticultural Society, as far back as 1837, was in close touch with the London Horticultural Society, and this parent organization was an introducing association having connections in all parts of the then comparatively unknown eastern American lands. Through the London Horticultural Society, Duchess, Alexander, Astrachan and Tetofsky were brought into England, and through the agency of the Massachusetts Horticultural Society they were introduced into America. From Massachusetts they drifted westward with the opening of the north-west country, and soon found their special place of usefulness which is in the

rigorous regions of the prairie states. It is interesting to note that now after a quarter of a century or more, some of these varieties, notably the Duchess, is coming back to the east where it is being used as a "filler" under the new commercial systems of planting. At the time of introduction its qualities did not appeal to the pomologist of the east, for cold storage was not then developed and summer apples were altogether too numerous.

There are now three important horticultural societies in Massachusetts. These are the society just mentioned,—the Massachusetts Horticultural Society—with headquarters in Boston, owning its own hall and holding meetings

throughout the year and frequent exhibitions; the Worcester County Horticultural Society, mentioned second because it ranks with the Massachusetts Horticultural Society as a pioneer, and like that organization owns its own hall and holds frequent meetings; and finally the Massachusetts Fruit Growers Association, an organization of the fruit growers of the state in distinction to the other two associations which are now somewhat local in character.



Strong two-year grape vines in the Arlington Nurseries, Marshall Bros.

It was our pleasure recently to attend a meeting of the last named society. The subjects presented at the meeting were those relating to improved methods of growing and grading fruit. A good deal of attention was also given to the matter of co-operation. The main difficulty seems to be that there are not enough orchards distributed over the state to properly represent the commercial ideal in orcharding. These demonstration orchards are needed. If they were established, undoubtedly capital would be diverted to fruit growing as a safe and profitable industry; but now interest is being awakened, new ideals will be developed, and we feel sure that a new era in New England fruit growing is approaching.

The meeting of the Massachusetts State Society was held in the rooms of the Worcester County Horticultural Society. It proved to be one of the most interesting horticultural conventions which it has been our pleasure to attend.

The social side was pleasantly emphasized. We received the following invitation. "The Worcester County Horticultural Society will hold its annual reunion and banquet



Wednesday, March 10, 1909. Reception 5:30 P. M., banquet 6:30 P. M., to which you are cordially invited, and as a guest of the Society if you would like to remain over night."

This invitation did not quite cover all the features of the social side. The convention was opened with addresses which continued until 5:30, when according to schedule the social hour occurred. This was succeeded by the banquet, which in turn was followed by the speech-making period. After this, however, there came the really important part of the whole function, and this was an old-fashioned dance. We say, "old-fashioned," because instead of the interminable whirl of two-steps and waltzes, square dances of the time-honored kind were intermingled. We are sufficiently antique to appreciate a reacquaintance with Virginia reel and Money Musk, and to welcome their appearance on a programme of this kind.

The social part then represented a joint effort of these two older societies in which the local society acted as host. The Worcester County Society maintains a well-equipped hall, pleasant reading rooms, a completely furnished horticultural library and last, but certainly not least, an obliging and active secretary in Mr. Adin A. Hixon. Mr. Hixon makes it his business to be "at home" to all horticulturists who, when in Worcester, have time to drop into the rooms. It is horticultural headquarters for all persons who come to Worcester. The influence which this society has exerted on garden making in and about Worcester is very difficult to estimate. It has certainly been large and beneficent. Long may it prosper!

#### AZALEA CANESCENS.

This Azalea, now offered for the first time is the earliest of all Azaleas to come into bloom and it is also the sweetest and the brightest in color. It succeeds in almost every soil and location and blooms when very young, but under favorable circumstances, sometimes reaches the height of 15 feet.

March 23d, 1909.

WM. F. BASSETT.

## fruit and Plant Notes

#### FORESTRY BY RAILROADS.

The Pennsylvania Railway is attempting to grow trees to supply ties for its own road bed. A plantation has been started at Morrisville, Pa., in which oaks and chestnuts are largely grown, and which bids fair to be of great economic value to the road in a comparatively short time.

Eighty-five pounds of coniferous seeds were sown in 1907, 220 bushels of red oak acorns, 2 bushels of pin oak acorns, besides chestnuts, hickory nuts, black walnuts, black locusts, and hardy catalpas.

This is the first large forest-growing enterprise that we know of in the east, and it will be watched with a great deal of interest by nurserymen and others.

#### A GIANT GRAPE VINE.

Hampton Court, one of the interesting royal palaces of England, possesses a garden of surpassing attractiveness.

While the average visitor journeys down to Hampton Court to see the picture galleries, the great hall, the collection of armour and other features in and about the magnificent group of buildings, the horticulturist has in mind, the beautiful park, the wonderful maze and perhaps, although last not least, the great black Hamburg grape vine. This he has heard is the most wonderful hot house grape vine in the world, so that he directs his steps to the house in which the vine is growing. He finds it in a glass house all to itself. A huge stem 54 inches in circumference, a foot above the ground, rises out of the soil, from which several branches radiate and spread themselves entirely over the roof of a lean-to house some 30 by 100 or more feet. The vine is said to be 140 years old, and bears from one to two tons of grapes per annum. What it might bear were it not carefully thinned, is difficult to say. At least a thousand bunches are cut away each season and the annual crop permitted is from 250 to 300 bunches, weighing from one to three pounds each. The fruit of this vine is used exclusively at the King's table or disposed of at his direction.

Historical specimens of this kind are to be found here and there in Britain and on the Continent. It admonishes us that we should preserve as far as possible, these interesting records of horticultural progress.

J. C.

#### A GOODLY NUMBER OF GEORGIA NURSERYMEN COMING.

EDITOR NATIONAL NURSERYMAN.

Sir:—

In regard to probable attendance at the meeting of the National Association at Rochester in June, from the the south, I would estimate the attendance at about the same number as heretofore, or possibly a little higher, somewhere between 30 and 40. There will be some attractions this time that we don't usually have. The large nursery interests around Rochester will make a big drawing card, as every nurseryman likes to see how the other fellow is getting along. Then Niagara Falls and a tour through the east will have a tendency to draw others, so altogether you may expect a somewhat increased attendance from the south.

CHAS. T. SMITH.

Concord, Ga.

#### LUTHER BURBANK PRODUCTS COMPANY, LTD.

European horticultural magazines are taking occasion to poke a good deal of fun at the optimistic attitude of their western friends towards anything in which Burbank has been in the smallest way connected. They are now cracking jokes at the expense of the much advertised company under the heading above which failed to materialize, and drawing attention to what they claim is a fact that many of these Pacific Coast plant wonders are of little or no value outside of the place of origin. It is certainly a pity that the good work which Burbank has done is being obscured to such a large extent by the wholesale and indiscriminating type of advertisement being practised by his supposed friends and admirers.



## HOTEL SENECA

### Headquarters of the Annual Convention of the American Association, Rochester, N. Y., June 1909

The success of a convention depends in no small measure upon the hotel facilities afforded by the city in which the conference is held. Rochester is now amply supplied with hotels to meet the varying demands of the travelling public. Members of the American Association of nurserymen want the best, therefore the recently erected and newly equipped

Hotel Seneca in the heart of the city has been selected as official headquarters. Realizing that our members will appreciate a plain unbiased statement descriptive of the essential features of this fine new hostelry we took occasion to inspect it thoroughly in company with the treasurer, of the American Association of Nurserymen, Mr. C. L. Yates. This was a personally conducted tour under the immediate

guidance of manager A. M. Wooley and his assistant.

The lobby in which the office is a central feature is spacious, well furnished and leads immediately to the dining rooms, the grill room and the billiard room.

There are two principal dining rooms, one finished after the French architecture of the Renaissance period and the other the ladies' dining and tea room, copying in faithful detail the Cæsarian style of Roman architecture.

The bar, buffet and grill room are connected and harmoniously finished in rich mahogany, elaborately decorated with mural paintings. Unlike most hotels the kitchens are on the same floor as the dining room which greatly facilitates rapid service.

A striking feature in the arrangement of floors is the mezzanine or middle floor with its men's writing rooms its ladies' parlors and promenades immediately overlooking the lobby. The upholstery and hangings on this floor are rich and artistic.

The members of the Association will be particularly interested in the second floor for here is located the large ball room and convention hall with a capacity of one thousand seats. Around this fine hall are grouped a number of smaller rooms admirably adapted to committee work or public exhibits. In addition to these smaller rooms

there is a spacious foyer with tables and comfortable lounging chairs.

After visiting these appointments the sleeping departments were inspected where it was discovered that the economical or luxuriously inclined could be accommodated with equal satisfaction. Single rooms with closet and shower, only, with full bath equipment, double rooms fitted in the same way, suites of rooms of varying degrees of



Convention Hall of Seneca Hotel where annual meeting will be held.

sumptuousness, with different kinds of furnishings, in mahogany, or brass according to taste—all are available at prices given in March issue.

Then we took in the store rooms amply supplied with everything from the freshest of fresh vegetables and fruits to the mustiest of french vintages. The heating, lighting, ventilating and cold storage plants all excited interest and suggested efficiency.

As a result of our survey then we can say very heartily that we were impressed with the æsthetics of the hotel as set forth in the artistic quality of its architecture and decorations; with its convenience in respect to location in the city as well as interior arrangement; with its equipment which is modern and efficient; with its sanitation which in cleanliness apparent and plumbing provisions is most excellent; with its cuisine which we sampled and greatly enjoyed; and lastly, and most important of all, with its service which is of the kind that expresses a willingness and cheerfulness to make the stay of the traveller entirely comfortable.



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Vice-President and Editor, . . . . . JOHN CRAIG  
Secretary-Treasurer and Business Manager, . . . . C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900.

## SUBSCRIPTION RATES.

One year, in advance, . . . . .	\$1.00
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Foreign Subscriptions, in advance, . . . . .	1.50
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Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

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ROCHESTER, N. Y., MAY, 1909.

## AMERICAN ASSOCIATION OF NURSERYMEN.

President—Charles J. Brown, president of Brown Bros. Co., Rochester; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.  
Executive Committee—J. H. Dayton, Painesville, O.; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.  
Forestry—J. W. Hill, Des Moines, Ia.  
Transportation—F. H. Stannard, Ottawa, Kansas.  
Tariff—Irving Rouse, Rochester, N. Y.  
Legislation—Wm. Pitkin, Rochester, N. Y.  
Co-operation with Entomologists—Hon. Orlando Harrison, Berlin, Md.  
Program—Jas. M. Pitkin, Newark, N. Y.  
Publicity—J. M. Irvine, St. Joseph, Mo.  
Exhibits—Thomas B. Meehan, Dreshertown, Pa.  
Arrangements—Geo. C. Seager, Rochester, N. Y.  
Editing Report—Geo. C. Seager, Rochester, N. Y.  
Entertainment—Wm. Pitkin, Rochester, N. Y.  
National Council of Horticulture—Chas. J. Maloy.

## STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.  
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.  
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.  
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.  
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.  
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.  
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.  
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.  
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.  
Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.  
Pennsylvania Nurserymen's Association—President, Thos. B. Meehan, Dreshertown, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.  
Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.  
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.  
Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.  
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.

## PEONY STUDIES AT CORNELL.

Attention has been called from time to time to the co-operative experiment between the Horticultural Department of Cornell University and the American Peony Society. This study has been under way now for three years, and is being conducted on the grounds of the Cornell Experiment Station. At the outset an effort was made to secure single plants of as many varieties as possible. These were planted under the names attached to them by the growers or persons who sent them in. Last season several hundreds bloomed, and studies of their characters and of the nomenclature were made. The American Peony Society also met at Cornell during the flowering seasons of 1907 and 1908, and arranged to meet this year at Queens, Long Island, where Mr. Ward's famous collection will be studied.

The past season some 850 or 900 roots, comprising commercial collections provided by peony growers, were received and planted. These roots were large and well developed, and are expected to bloom normally this year. They include the leading commercial varieties of the principal peony growers of the country. A bulletin giving a brief statement of the progress of the work, together with descriptions of those varieties which seem to be correctly named, was published this winter and is available to all members of the peony society and others interested in peony culture. This is an excellent type of work, in that it brings the practical men and the investigator upon common ground.

## NEW VARIETIES OF FRUIT.

What should constitute the test of a new variety of fruit? In other words, what is the justification for adding new varieties to our already congested lists? The originator of a seedling or hybrid usually has a somewhat exaggerated idea of its value. He sees it through personal magnifying glasses. With this impression he propagates it and places it upon the market. This is often done without adequate trial or sufficient examination.

It is fair to say that a variety should not be introduced unless it excels others of its class or season in one or more particulars. If better adapted, and this is only to be discovered after an extended and careful trial, if adapted to a specific region, if superior to others of its season, or if the tree possesses peculiar characteristics giving it special value, then one or all of these considerations would be justification for a careful and thorough trial of its merits. It is not necessary to condemn a variety because it does not succeed everywhere. As time goes on we shall have to drop the idea of growing general purpose varieties. The general purpose fruit is more or less a thing of the past. We need fruits for special localities and for particular purposes.

Our fruit lists have become unnecessarily padded because of our hasty manner of introduction. Originators should come into closer touch with experiment stations. These organizations are for the advantage of the introducer as well as the grower. The introduction of a poor variety reflects neither credit nor brings satisfaction to the introducer. Let us have new varieties by all means, but let their merits



and demerits be passed upon by the unbiassed as well as the interested.

**INSPECTION OF IMPORTS.** We believe in establishing such a system of inspection and as will prevent the introduction from foreign countries of injurious insects and diseases. A quarantine system should be operated just as rigidly as against the enemies of animal life. We have received our full share of scales and bugs with the good things from other lands. "We've got 'em, and the man who doesn't fight 'em goes under, that's all."

No one in the nursery or orchard business can excuse inaction or faulty methods on the score of a lack of opportunity to secure knowledge or advice. The country is flooded with bulletins giving descriptions, remedies and instructions for the control of these enemies, so in our opinion it is "up to the grower." When new enemies arise or appear, the investigators of the experiment stations are available.

We should, in our opinion, however, have an independent board of examiners who might be called upon by those nurserymen who are alive to the advantage of expert assistance and advice. This department should be under federal control and entirely independent of state influences. Such a department would assure uniformity in the administration of regulations for the control of nursery and orchard enemies. But in the last analysis, the problem rests with the nurseryman himself.

**NURSERY INSPECTION.** Most people are agreed that the inspection of nurseries as conducted at present is little more than a form. It guarantees no real immunity from the worst enemy of the orchard, the San Jose scale. Certainly so far as small infestations of this scale are concerned it does not mean much. The inspector says he found none. He does not say that the stock is uninfested. Many growers accept the certificate as something which guarantees immunity. In this respect, his confidence rests on false security, and to that extent he is misled. Would he not be more keenly on the lookout for dangerous pests if he were not lulled into a position of false security by this certificate?

Another aspect of the case is this: What is the value of inspecting and fumigating stock intended for planting in scale-infested districts? Whether the stock is clean or whether it is infested, the planter, if he is to succeed, must spray anyhow.

Have we not arrived at the time when each grower must attack his individual problem himself? He should know what he wants in nursery stock and know how to care for it after it is planted. The nurserymen supplying poor stock will soon be weeded out by a process of natural selection. There are those who say the small planter must be protected. In our opinion, the small planter must take his chances. The large grower is forced to protect his interests by those measures which control the spread of fungus and insect enemies. It makes little difference to him, as a matter of fact, whether the small grower sprays or not.

This doctrine may sound heretical, and would certainly be classed as rank heresy ten years ago. But times have changed, and we are approaching a new era, an era in which fruit growing must be handled as a business man handles his enterprise. Neglect and haphazard methods will rule a careless man out of business, and the sooner this kind of men is relegated to the side lines the better for the business.

#### ARTIFICIAL VERSUS NATURAL CROSSING.

A warm discussion is going on just now in at least one of the floricultural papers in regard to the results secured from the so-called hand pollination versus natural pollinating methods. This discussion relates mainly to the improvement of the Gladiolus. The man who has been successful in improving the gladiolus by combining forms in an orderly and systematic fashion naturally believes in his method. On the other hand the man who has worked in a wholesale manner and planted large quantities of seeds, dealing in this wholesale way, should expect to secure a larger number of prizes even though his method is somewhat haphazard. This leads us to say that there are two general plans along which the plant breeder may work. If he desires to work in a wholesale way, he follows the Burbankian plan of making conditions favorable for the natural interchange of pollen in an extensive way. If he desires to be sure of each step and to know absolutely the parentage of his plants, he will select the forms which combine in themselves the desirable characteristics he wishes to unite and perpetuate, and make carefully controlled crosses. This is undoubtedly the most satisfactory way. The scope of one's efforts is somewhat limited by this method, for just about so much work can be done, but in the long run greater satisfaction results, for one need not guess at the parentage of his productions but he can feel sure that they are the product of certain definite combinations. This knowledge is valuable in itself.

The preponderance of evidence at the present time is probably in favor of the wholesale method, for the reason that more persons have used this, and then nature herself has adopted it, and through it has given us many of the selected forms of fruits and flowers which we cultivate today.

That there is any intrinsic influence following the transfer of pollen, in one way or the other, is improbable. If we are to work towards definite ends, profiting by our experience, and for the purpose of securing special products, then we must select the parents and control the pollination process.

#### PERSONAL AND GENERAL.

Messrs. H. M. Simpson & Sons of Vincennes, Ind., report an excellent year for cherry stock and that sales have exceeded those of any previous year. There is still on hand a quantity of one and two year old trees.

#### MR. E. W. KIRKPATRICK IMPROVING.

We are sorry to learn that former President of the American Association of Nurserymen, Mr. E. W. Kirkpatrick, of McKinney, Texas, has been a victim of neuritis for some little time. Latest reports are that he is improving slowly.



## Correspondence

### METHODS OF GRADING NURSERY STOCK.

Editor National Nurseryman,  
Ithaca, New York.

Mr. Editor:

In connection with the commercial grades of nursery stock and the caliper method used for determining them, I have often wondered why the trade does not adopt some more simple and consistent rule of measurement. As these grades are quoted on the market and indicated on the caliper we have the readings 2-16, 3-16,  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$ , 11-16,  $\frac{3}{4}$ . Why not adopt the same denominator thruout thus 2-16, 3-16, 4-16, 8-16, 10-16, 11-16, and 12-16. They would certainly be much easier to remember on this basis and I find in presenting the subject to our students in the classroom that they are more readily grasped when stated in this form.

A. T. ERWIN.

AMES, Iowa, March 15, 1909.

### CONSIDER IMPORT INSPECTION.

To the Editor National Nurseryman,  
Rochester, N. Y.

Dear Sir:

I notice on page 112 of your April issue a letter of my firm marked "consider tariff," which, however, was written in January. Since to all appearances the tariff question will be a settled matter by convention time, any consideration of that subject will then be too late. But a subject of importance to Nurserymen as well as importers will be the correct framing of the law intended by congress to regulate the inspection of imported stocks, so as not to interfere with the promptest rehandling on arrival in United States ports; a law that according to my information will come up before Congress this coming fall, and which is causing a great deal of work and worry to your committee on legislation at the present time.

Yours very truly,  
WINFRIED ROELKER,  
Of A. RÖLKER & SONS.

NEW YORK,  
April 12, 1909.

### EXHIBITS COMMITTEE.

Editor National Nurseryman:

The exhibition to be held in connection with the Convention of the American Association of Nurserymen in June will, I hope, be as interesting and instructive as usual. The Chairman of the Committee has not yet taken off his coat, but hopes to at no distant day, and will try to have something to report for the next number of the NATIONAL NURSERYMAN. I understand that the Committee on arrangements has secured suitable exhibition rooms adjoining the Hotel headquarters where there will be ample room for all exhibits, big and little, and I hope that the members

and others having anything of interest to exhibit, will not be backward in coming forward and asking for space reservations. As Chairman of this important branch, I have secured the efficient assistance of Charles J. Maloy, who has kindly consented to act on the Committee.

THOMAS B. MEEHAN, Chairman.

DRESHERTOWN, MONTG. Co., Pa., April 13, 1909.

## Convention Notes

### OHIO NURSERYMEN COMING TO "GATHER IN" NEXT CONVENTION.

April 20, 1909.

NATIONAL NURSERYMEN.

Rochester was a very happy solution of the always distracting question of location for the next annual meeting, at least as far as Ohio Nurserymen are concerned, an unusual number of whom have indicated their intention to attend the meeting of 1909, evidently prompted by an earnest desire to visit Rochester, the recognized nursery center of the United States. As an estimate, I would place the minimum number likely to attend at fifty.

Ohio for many decades held within her borders the Center of Population of the United States. She yet holds practically the Center of the nursery population of the country, and when we insist on the meeting for 1910 being held at the Ideal Cedar Point, we are not wholly selfish, but advocating a central point that will afford the greatest convenience to the greatest number.

J. W. McNARY,  
President of the Ohio Nurserymen's Association.

### PENNSYLVANIA NURSERYMEN.

April 20, 1909.

ED. NATIONAL NURSERYMEN.

I am sorry to say that I cannot give you precise information along the line asked for in your letter. It is likely the regular crowd will be there. Abner Hoopes and George Achelis of West Chester, William H. Moon of Morrisville will undoubtedly come, and of course, I will be there, if I am able to walk. I have missed only one convention in about twenty-three years, and that single occasion was twenty one years ago. It occurred at the time of my marriage and I was justified in missing it that trip.

I think it probable that a considerable number of the other Pennsylvania Nurserymen will attend. Samuel C. Moon, of Morrisville, Thomas Rakestraw, of Kennet, perhaps J. W. Thomas of King of Prussia, and Mr. Jones of the Conard & Jones Co., West Grove. These gentlemen always attend the convention when it is not too far away.

Pennsylvania may be counted upon to contribute her full quota.

THOS. B. MEEHAN,  
President Pennsylvania Nurserymen's Association.



### CHAIRMAN OF COMMITTEE ON LONESOME ROADS WANTS ASSISTANCE.

Every man on the various local committees has been appointed, we understand, because of his special fitness. Here is one who is calling for help. Charley Maloy is supposed to be an authority on lonesome roads in the vicinity of Rochester. His knowledge dates back to early courting days and is exceptionally accurate.

ED. NATIONAL NURSERYMAN.

Sir:—

In reply to your note of the 16th, I do not know that I have anything to report at this time. It is true I am Chairman of the Committee on rides and excursions, but I think I shall have to turn the rest (lonesome roads) over to some of the other more recently informed and therefore more competent members.

C. J. MALOY.

### RAILROAD RATES TO ANNUAL MEETING.

ROCHESTER, N. Y., April 23, 1909.

Editor NATIONAL NURSERYMEN,  
Ithaca, N. Y.

Dear Sir:—

Nurserymen who are planning to attend the convention to be held in Rochester next June, will do well to make early inquiry of their local ticket agents regarding railroad rates. It was thought when our circular was issued that, inasmuch as the Trunk Line Association, Central Passenger Association and East Canadian Association had authorized the announcement of a fare and three-fifths, on the certificate plan, that the Western and Southern Associations would consent to participate. This would have been in accord with past experience.

The secretary has been advised, however, that the Western and Southern Associations will not participate, and all who wish to attend should inform themselves as early as possible regarding summer tourist rates which will, no doubt, be in effect at the time of the convention. Railroad men tell me that special rates of about one fare for the round trip are offered from western and southern points to Niagara Falls. It would, undoubtedly, be well to make inquiry regarding these rates and if similar rates are offered this year it will be possible for nurserymen who attend the convention to take advantage of them and they can purchase tickets at Niagara Falls for the round trip to Rochester on the certificate plan. In all probability these summer tourist rates will be more favorable than rates secured under the certificate plan.

Yours very truly,

GEO. C. SEAGER,

Secretary American Association of Nurserymen.

### A NEW GRAPE.

Stark Brothers Nurseries and Orchards Company have purchased the exclusive right to propagate and sell the King Phillip grape originated by that enthusiastic grape breeder, N. B. White of Norwood, Mass. This grape has impressed us very favorably and should prove a decided acquisition in the region of its adaptation.

## Among the Experiment Station Workers

### CALIFORNIA BULLETIN No. 198.

This is devoted to the Grape Leaf Hopper, an insect which has made itself felt in all the grape growing regions of the United States. This insect has been carefully described in bulletins of the Cornell Experiment Station by Slingerland. Experiments by this station have also proved that in New York it may be satisfactorily controlled by spraying. The Californian growers recommend trapping as well as spraying.

### MARYLAND BULLETIN No. 130

By Messrs. T. B. Symonds, J. B. S. Norton and C. P. Close, discusses Maryland nurseries, the insect and fungous enemies of stock, legislation affecting nurserymen and the best means of preventing the spread of nursery pests. In addition this bulletin—it is a very useful one—contains the various state laws in force in the Union.

### U. S. DEPARTMENT OF AGRICULTURE.

#### BULLETIN No. 332.

Devoted to a discussion of nuts and their uses as food. The bulletin will be useful in the household inasmuch as it gives the nutritive values of different varieties of nuts and the most economic methods of employing them in the dietary.

### STATUS OF THE AMERICAN LEMON INDUSTRY.

This is a reprint from the Year Book of the Department of Agriculture for 1907. The article is written by G. Harold Powell and gives an interesting discussion of the lemon industry in California. Little is said in reference to lemon growing in Florida. The handling of the tree and fruit is discussed in detail.

### CARRYING PLANTS IN COLD STORAGE.

Editor National Nurseryman:

Some years ago in May I had on hand one thousand two year old hybrid seedling grape-vines and no place to put them, and failed to find a purchaser for them. As a seedling grape is in its best condition to plant out at two years old it occurred to me if I could, by putting them in cold storage, hold them as they were until fall, I would save them from the brush heap, and as they were a valuable lot of hybrids it seemed worth while to try the experiment.

I packed them all in a box five feet long, two and one-half feet wide, and two feet deep. I covered the bottom with moss that was slightly moist from the dampness of the cellar where it was kept, the vines being all tied up in packages of fifty each. I put in a layer of packages, then sifted in among them sawdust kept in the same cellar with the moss of the same dampness. Then covered them with a layer of moss, then another layer of vines with sawdust sifted in as before and covered with moss, and a third layer the same as the others and well covered with moss and the moss covered with potato sacks which filled the box. I was at a loss to decide whether or not to give them more moisture, but finally decided not to, but would go and examine them occasionally to see if they needed it. I ordered them kept at a temperature of about 33 degrees above. I examined them several times and always found the sacking frozen, and by running my hand down at the end of the box into the moss and sawdust I decided that they needed no more moisture. I took great pains to press down and pack the moss and sawdust as firm as possible to exclude the air from the roots as much as possible.

I had them brought home the first of November and on opening the box I found the vines to be in fine condition. They seemed as fresh and bright as when packed.

The storage and freight both ways cost me but six dollars. I could not have planted them out to carry over, and have cultivated



them for that money, again, the vines are worth more at two years old than they would have been at three years old, as they would have been this fall if they had been put into the ground instead of cold storage.

N. B. WHITE.

### GROWING versus BUYING NURSERY STOCK.

In my early experience in orchard work, I was fully convinced in my own mind that Maine grown seedling trees were much better in every way and more likely to develop into profitable orchards than New York State trees. Hence, my first work in this line was to plant some apple seeds from hardy native apples. Also, my first purchase of trees was a lot of nearby stocks.

As for the seeds, they came up and made a good growth, but only a few lived long enough to reach transplanting size; the rest either winter-killed or died from various diseases. Not discouraged (I am never that for a long time), I tried it again with the result that a block of 200 that averaged two feet or more the first season, all killed to the ground the first winter. The next attempt was on a larger scale with better results, but still the work has proved unsatisfactory.

I have tried since in recent years and never got a tree worth the ground it occupied. Has it been my fault? Perhaps so, yet I understand and have followed the practices of the best nurserymen, and by all theory that is sound should have had good results from my planting.

Some fifteen years ago, I bought 100 seedling trees four or five years old from a farmer who had a small block of such trees at one side of his garden. They were good sized, well rooted, well branched and looked to be all right, yet less than half of them made healthy stock on which to graft.

I have the "knack" of setting a tree in almost any kind of a place or soil and making it grow, but the only native trees I now have which are healthy and satisfactory are those that have been found in the pastures or fields, or in the border of the wood where they came up wild. And this is a survival of the fittest, for of every one so found probably ten sprang up and died. It is my experience that not more than ten per cent, of native seedlings will mature in good health. If they do not succumb to cold or disease, they yield so far as to get "black hearted," and a blackhearted nursery tree isn't worth as much as a dead one.

I never bought but one lot of native trees that were the equal of New York State stock and that lot was grown in a sheltered spot under the most favorable conditions. On the other hand, I have never had but one lot of New York grown trees but what were healthy and made a good growth, so that I have come to depend on these trees for my stock.

Even if the winter weather and deep snows were not against us, we should be unable to grow trees as cheaply as we can buy them from the commercial nurseries. Growing nursery stock is a specialty and the needs of the young tree or plant have to have daily attention; this the specialist can give but the farmer can not. Either the farm and orchard would be neglected or the nursery, and it would be the latter with most men.

But there is another thought that properly belongs here—the man who wishes to start an orchard, either large or small, gains five years' time by buying his trees instead of waiting to grow them. Life is not so long that five years at its early business stage can be lightly thrown away. It doesn't take us long to learn that "what thou doest, do quickly," has a pertinent application to business life.

Again, experience has proven that native seedling stock is not the best on which to graft. Some hardy nursery grafted, or budded tree like the Spy or Tallman—I prefer the Spy—is much better. As long as we can buy trees cheaper than we can grow them and can save time and get better trees, too, why try to raise them?

As far as the introduction of disease and the spread of insect pests are concerned, it is only necessary to enforce existing law in a rational way and, if that be insufficient, enact such other legislation as may be needed, to fully protect against these evils.

I have faith in the good old State of Maine, faith in her people and the future of her farm life; but great as I believe her possibili-

ties to be in other directions, her orchard prospects are unsurpassed by even the Pacific Northwest.

Maine can compete with the world with her apples when we meet our orchards and our markets with a square deal for ourselves, for the trees and for the consumer.

The best is none too good in planting an orchard, and much experience and no little observation and study leads to the conviction that the good nurseryman can sell us better trees than we can grow for ourselves, and at prices which makes it cheaper to buy than to raise them.

While it may do no harm for a few men to experiment with nursery stock, I consider the attempt to urge farmers to do so, as untimely, unprofitable and unwise. It has been proven so by the experience of many. E. C. Dow in *Maine Farmer*.

Waldo Co., Indian Cress Farm.

### TWO DAYS' COURSE IN FOREST PLANTING.

Interest in forest planting has increased so rapidly in Vermont since the establishment of the State Nursery two years ago that it seems probable that this is to become a part of the regular spring farm operations. In spite of the rapid extension of the nursery the supply of stock was so largely taken up last year by land owners of the State that it has been necessary to import seedlings from Germany this year. Experience with this imported material in other parts of New England indicates that it is fully as satisfactory as that grown here. These three-year transplants are for sale at between four and five dollars per thousand. Of the State Nursery stock there is for sale a limited amount of the following:

White pine two year seedlings at \$3.50 per thousand.

Scotch pine two year seedlings at \$4.00 per thousand.

Norway spruce three year seedlings at \$7.00 per thousand.

Now that seedlings have been brought within the reach of all prospective planters, the only hindrance to extensive reforestation is a lack of knowledge regarding the methods and cost of planting, and the profit to be derived therefrom. While the work is very simple and of such a nature that any farmer can readily do it, there is a well-known conservatism in undertaking new problems. In order to overcome this difficulty State Forester Hawes has arranged to give a two days' course in forest planting at the University of Vermont at Burlington, April 28 and 29. This short course will comprise lectures and actual field work in all the operations of raising trees from seed, and setting out the nursery stock on the land. It is entirely free to all and no application is necessary.

While farmers are situated favorably for carrying out this work themselves there are many lumber companies and non-resident land owners who are becoming interested in planting who are not so well situated for carrying on the work. It is probable that some of those attending this course can find employment in superintending the plantings on such holdings.

Applications for nursery stock or inquiries regarding the planting course should be addressed to A. F. Hawes, State Forester, Burlington, Vt.—*Maine Farmer*.

## Legislation

### NEW APPLE LAW IN MAINE

The Pine Tree State has passed an act to provide for a uniform grading, packing and branding of apples. This act covers all apples offered for sale in closed packages, either in Maine or to be shipped outside of the state. It specifies the grade and size, and that not more than ten per cent of apples below standard shall be contained in any specified grade. It describes the different grades, and then passing to the packages adopts the standard barrel and the standard bushel box, the dimensions of the latter being 20x11x10 inches inside measurement. All packages falling below the standard size shall be marked "short." A fine for selling any other than properly marked packages shall be \$100 for the first offense and not exceeding \$200 for each subsequent offense.

The enforcement of the act is placed in the hands of the Agricultural Experiment Station.



## Our Book Table

### SPECIES AND VARIETIES: THEIR ORIGIN BY MUTATION.

Hugo DeVries, edited by D. T. MacDougal. 9 by 6 inches. 847 pages. Published by the Open Court Publishing Co., Chicago. This volume contains lectures delivered by Prof. DeVries, head of the chair of botany in the University of Amsterdam, at the University of California last season.

The author opens his interesting volume by a discussion of the theories of evolution, which is a concise, lucid statement of the views held by various students of heredity and other phases of this study. The kernel of the whole work is that while the current belief assumes that species are slowly changed into new types, the theory of mutation assumes that new species and varieties are produced from existing forms by sudden leaps. While these new variants are appearing, the parent form remains unchanged, and may repeatedly give rise to new types. These forms may appear simultaneously in groups, or separately at more or less widely separated intervals. It is in defending these views that the larger portion of the volume is concerned. The author states that his work claims "to be in full accord with the principles laid down by Darwin." This is a point of view that many of his critics do not share with him.

No discussion in recent years of this topic, always of transcending interest in the scientific world,—has stirred students of evolution more deeply than this contribution of DeVries. To all those who are in any wise interested in the philosophic phases of plant and animal life, this volume can be commended with full confidence.

### PLANTS THAT BECOME PESTS IN HAWAII.

#### HOW THE BLACKBERRY BECAME NUISANCE—TERRITORY GUARDING AGAINST ENTHUSIASM OF PLANT FANCIERS.

The Territory of Hawaii is compelled to watch the importation of plants and vegetables probably more closely than any state or territory on the mainland, in order to guard against the entrance of pests both of the animal and vegetable types. For the past five years the quarantine maintained by the Territorial Board of Agriculture and Forestry has been very strict and though onerous at times, is very generally supported by public opinion. Many insects and plants which in their native habitat are so controlled by either their natural enemies or by the period of cold weather, that they do not in any sense constitute pests, become very troublesome when brought into a salubrious climate such as Hawaii possesses; and hence great care must be exercised in allowing any new thing to be brought in.

A very striking example in this regard is to be found in the *lantana* plant (*L. Camara*—of the *verbenaceae* group) which is valued all through the United States as a bedding-out or greenhouse plant, and which is rather difficult to raise north of the Gulf states. Some plant fancier brought the seed of this shrub into the islands some years ago, and now it constitutes a thoroughly defined and very troublesome pest. It has obtained a foothold on most of the islands, and has taken possession of large tracts of pasture land, and other uncultivated tracts, where it forms almost impenetrable thickets. Laws have been passed to check its spread, and an insect enemy imported which it was thought would destroy it. This has been of some efficiency, but there is now some uneasiness lest the "*lantana* blight," as it is called, will refuse to confine its attentions to *lantana* alone.

On some of the islands, cattle men have much trouble with the common North American blackberry and raspberry which here refuse to confine themselves to fence corners and out of way places, but sometimes takes possession of considerable areas of pasture lands. Considerable money has been spent in employing laborers to dig out the roots from the cattle ranges.

The well known Bermuda grass of the south, while furnishing a valuable pasture for stock, causes the sugar planter considerable trouble in Hawaii; while the bugbear of the cotton states, the

Johnson grass, is also present here, but does not seem to cause the trouble that it does in some parts of the mainland.

WILL J. COOPER.

## Doings of Societies

### TREE DOCTORS ORGANIZE

The business of caring for orchard and shade trees has grown in the last few years to a place of considerable importance. As a result of this type of endeavor there has recently been organized a society which is called The Employers' Association of Landscape Foresters and Commercial Entomologists. This society aims to restrict the kind of labor engaged to those who are qualified by training and experience to practice what is called "scientific tree surgery and commercial entomology." It purports to be a movement against the untrained, uncultured tree butcher and tree "doper."

The charter members were enrolled as follows: John T. Withers Jersey City, president; James E. Whitaker, Boston, vice-president; F. A. Bartlett, Stanford, Conn., secretary-treasurer; H. L. Frost, Boston, Chester L. Whitaker, New York, Lewis H. Wise, Jersey City, G. H. Allen, New York, examining committee.

### SWEET PEA ASSOCIATION

Mr. Harry A. Bunyard is promoting a movement for the purpose of organizing a National Sweet Pea Association. This movement, if successful, is to be affiliated with the American Florists. Mr. Attlee Burpee, the seedsman, of Philadelphia, offers a cup for the initial exhibition of the society, and other interested persons promise to further it in every way possible.

### OPENING FOR NURSERYMEN IN HAWAII.

By DR. E. V. WILCOX.

Special Agent in Charge, Hawaii Experiment Station, Honolulu, Hawaii.

Constant application is made from all parts of the Islands for seed, suckers and plants of various economic crops and ornamentals. Neither the Territorial Board of Agriculture, nor the Federal Experiment Station is in a position to supply these demands; in fact, such work should not be a chief function of official institutions. The operation of a nursery is a commercial proposition. The supplying of small quantity of material for starting various kinds of crops is done temporarily by the Experiment Station, but will be abandoned entirely as soon as the matter is taken up by some commercial nurserymen. The plants and seeds most in demand are alligator pear, *papaia*, citrus fruits, figs, bananas, *Roselle*, cotton, soy beans and other legumes, corn and an extended list of ornamental plants. In importing such things from the mainland, or elsewhere, there is always the danger of introducing some injurious insect or fungus disease; and the rigid quarantine which is necessarily and rightly carried out in the inspection of such importation, sometimes injures the material which is imported. In addition to this, there is a likelihood of the deterioration of the material in transit, by long delays or by improper handling; and finally, the seed and plants introduced from other countries require acclimatization here, and may, therefore, prove somewhat disappointing to the importer. For these reasons, it seems strange that some nurseryman has not engaged in the business of producing acclimatized strains of economic and ornamental plants, such as are desired by the citizens of the Territory; and no hesitation is felt in recommending the establishment of a commercial nursery near Honolulu as a promising business for the man who understands this sort of work.

There is not only the mere matter of supplying the demand for economic and ornamental plants, but there is also a good opening for the practical plant breeder in charge of such a business undertaking, in establishing and improving the varieties of some of the plants which we already have, particularly, the alligator pear, *papaia*s and some of the more hardy ornamental plants which, if properly worked up would undoubtedly find a place in some of the markets of California and the Southwest.



## Quiz Column

Editor National Nurseryman:

We would like to ask what you would advise for use in field on tree infested with Woolly Aphis. Would diluted kerosene answer, applied in spray?

It may be of interest to you to know our observations in regard to Root Gall or Hairy Root—We have in the past three years noted that this disease seemed to be confined decidedly to certain varieties, Wealthy apple especially, also Lady. Blocks noted were mostly on light soil. Treatment the same to all. Grafting done by same men practically, also budding (affected both). Seedlings from same sources. Wealthy was affected ten times (at least), more than other sorts.

KEROSENE, CANADA.

### COMMENT BY PROFESSOR C. P. GILLETTE.

From recent experiments in Georgia and Colorado it has been shown that kerosene emulsion is the most satisfactory treatment for the Woolly Aphis both on the roots and above ground. To kill the root form apply a 10% emulsion in a shallow furrow on each side of the row using enough to wet the ground to a depth of 2 or 3 inches and replace the earth to the normal level. This application should never be made while the trees are dormant; the best time is in the spring just after the trees have begun to grow.

For treatment above ground use 7% kerosene emulsion.

### ROME BEAUTY.

The Rome Beauty is one of the good things that has been neglected, that is a bushel has been kept over its light, so to speak. We believe that it should have been propagated more largely in the West and perhaps less Missouri Pippin.

We have been surprised to find that Rome Beauty succeeds far North in Iowa, Montana, etc. Now, we desire to ascertain all the good points of value of Rome Beauty. What is your judgment?

MIDDLE WEST.

We are of the opinion that the Rome Beauty is a good apple in the right place. We think that the apple belt of western New York is too far north for the growing of Rome Beauty in its highest state of development. We believe its range is from New York City southward to Washington. Whether it would do well in the Ozarks or in the northwest we are unable to say. We should regard it as being doubtfully successful in northern Iowa and Montana. It is not as hardy a tree as the McIntosh, which as we know does well in Bitter Root Valley of Montana, and while the fruit, when you would get it would undoubtedly be highly colored, yet we think the risk of losing the tree by occasional blizzard winters would be so great as to make the venture altogether speculative.

The apple is really of mediocre quality. We don't think it is better than Missouri Pippin, nor do we believe that it will be as productive.

Let us have opinions and experience on Rome Beauty as a commercial variety. Where should it be grown? Where is it out of place?

EDITOR.

### A NURSERY PROBLEM.

Editor National Nurseryman.

Sir:

We have a block of apples budded last fall and they are not as large as they should be for their age. We want to use a commercial fertilizer on them. Can you give us any light on the subject? Our soil is a sandy loam and we never experienced any trouble in this line before. We will be glad to hear from any brother Nurserymen.

OHIO.

You are in need of immediate results. Your fertilizer must act quickly, and you need one that will stimulate vegetative growth. When the question is narrowed down to this stage, the number and character of fertilizers become comparatively limited. It points to a fertilizer of nitrogenous form and one which will become immediately available. In our judgment you can do nothing better than use nitrate of soda. Experience has shown that the best results from the use of this readily soluble salt are obtained when it is applied in small doses two or three times during the season. We would therefore advise using it at the rate of two or three hundred pounds per acre in, say, three applications; the first one being made as soon as the ground is in condition to receive it, or in other words as soon as growing conditions have arrived; the second one might be applied three weeks later; and the third approximately about the middle of June. Associated with the feeding, should be the factor of good cultivation. Till just as thoroughly as possible. Keep the ground well stirred throughout the growing season.

This will unquestionably stimulate growth and may result in giving you good sized trees before the end of the season. There is some danger, of course, in the free use of nitrate of soda from the possibility of forcing a late growth which may be so succulent as to be readily susceptible to winter killing.

This is an important question and we have brought the matter before some of our practical men and are able to offer Mr. Harrison's excellent suggestions as follows:—[EDITOR].

### NURSERY FERTILIZING.

If your apples were small at one year they are likely to be light at two year and no good at three year. Ten tons of stable manure to the acre put on in the winter would have helped them or a high grade of fertilizer running about 7% nitrogen, 6% phosphoric acid and 5% potash at the rate one thousand pounds per acre in two or three different applications two weeks apart—will help them yet—it will cost you about \$33.00 to \$35.00 per ton.

ORLANDO HARRISON.

## Obituary

### EDWARD GILL

Edward Gill one of the best known nurserymen on the Pacific Coast died at his home Bellamount Place, West Berkeley, Cal. March 25th, aged 69 years, after an illness of several weeks.

Mr. Gill settled in Oakland in 1867, where he built up a large nursery business. Finding his place too small for his rapid increasing trade, in 1890 he purchased a tract of 106 acres in West Berkeley, six miles further out, to which place he removed.

At his new place he made a specialty of field grown roses for the wholesale trade in which he did a large business.

Rochester, N. Y.

NATIONAL NURSERYMAN.

Gentlemen:

Please change the address of my paper from Gonzales to Harlingen, Texas. I am now starting a new nursery here for the growing of Citrus Trees, Palms, Eucalyptus Trees and general line of Nursery Stock. My address is as follows:

J. GEO. BOWYER,  
Harlingen Sub Tropical Nursery,  
Harlingen, Texas.

Editor NATIONAL NURSERYMAN.

Sir—

I have just read with interest your April number of the NATIONAL NURSERYMAN, and while every issue is good, this seems to be especially so. Every page is full of information to the nurseryman.

B. G. PRATT.



## Business Movements

Henry P. Hill formerly of Irondequoit, N. Y. has changed his address to Penfield, N. Y.

W. B. Cole, Painesville, O., is making many improvements in his nursery, including electric lights.

Thos. Meehan & Sons, Inc., of Philadelphia, have opened a branch office in the Metropolitan Life Building, New York, for their retail department which is constantly enlarging.—*Florists Exchange*.

We are indebted to the *Florists Exchange* also for the following notes:

The Key City Nursery Company of Dubuque, Iowa, has added Mr. Scott Bett to active membership in the firm.

The Sneed Nursery and Orchard Company, of Tyler, Texas, has decided to discontinue business.

The Miller Brothers, prominent orchardists of West Virginia, have organized the Imperial Orchard Company of Hampshire County, West Virginia, with a capital stock of \$30,000. An office will be maintained at Paw Paw. The orchard is located near Kings Camp, where H. W. Miller already is extensively established.

Editor NATIONAL NURSERYMAN.

Sir:—

It is true that we have added some land to the Nurseries, having purchased a couple of farms, where we are now making our first plantings. The next time you are this way, we shall be glad to see you and show you the area and illustrate in this way how a nursery grows.

Wm. Warner Harper, Prop.

## Note and Comment

### ORCHARD COVER CROPS

A very interesting pamphlet giving a reprint of a paper on this subject by W. P. Stark, of the Missouri State Board of Horticulture, has recently been received at this office. The paper outlines the principles of cover-cropping, showing that it is an essential practice in the maintenance of the humus of the soil, and in the improvement of the soil's physical condition; that it adds fertility as well as increasing the holding capacity of the soil. It draws attention to the many advantages of the cover crop system in a very timely and practical way. Nurserymen will do well to consider the practice in connection with methods of maintaining fertility of nursery lands.

### OSIER WILLOWS

The Federal Experiment Farm at Arlington, near Washington, has made a distribution of considerable quantity of basket willow cuttings the present season. This is for the purpose of encouraging the osier industry. There has been a considerable demand for information on this subject during the past two or three years, and it seems to us timely that the Government is turning its attention to it. This recalls to mind also the fact that a distribution of this same type of willow cuttings was made by the Bureau of Forestry under one of the first heads of that department, Dr. E. B. Fernow, fifteen or sixteen years ago. At that time a dozen or more varieties of osier willows were sent out. We are wondering whether the information accruing from the growing of these plants has ever been collected and collated.

### OPENINGS FOR NURSERYMEN IN HAWAII

The Director of the Hawaiian Experiment Station at Honolulu draws attention to the fact that the demands for nursery stock in the islands is increasing. There is no adequate source of supply, neither is there any well equipped nursery. The plants demanded by growers in that region are not propagated on the American main

land and are not easily procured from the east. The opportunity therefore for nursery work seems to be unique and attractive. Those who desire special information in regard to the whole field and its needs should apply to Dr. E. A. Wilcox, Hawaiian Experiment Station, Honolulu.

### TREATING TIMBER TO PREVENT DECAY.

The Bureau of Forestry has recently issued in Bulletin No. 51 a preliminary account of the experiments which have been under way, in treating timbers for the prevention of decay. This report is presented by Dr. Hermann von Schrenck, who has had immediate charge of the investigation.

Large quantities of ties of different varieties of wood were treated and then submitted to the wear and tear of the moist climate of Texas. The experiment has been going on about two years, but the results have already shown themselves so pointedly that it appears worth while to make this report, of which the following is an abstract:

(1) Practically all of the untreated timbers show more or less decay. So far hemlock, tamarack, loblolly pine, and beech have shown the least resistance, closely followed by longleaf pine. The oaks show the greatest resistance.

(2) Ties which received the zinc chlorid and the Wellhouse treatments have so far shown no signs of decay. This is true also of those treated by the Allardyce process when it was carried on in a proper manner.

(3) The results shown by some of the oaks which were subjected to extreme heat and which had to be removed on account of brittleness should serve as a warning against excessive heating of the wood, whether with dry or steam heat.

(4) Timbers which received the spirittine treatment are generally in good condition. The small fungi which were found growing on the ends of the ties were not considered as wood-destroying fungi. They have so far not affected the soundness of the timber.

(5) Of the timbers treated by the Barschall or Hasselmann process, the beech, hemlock, and tamarack have fungi growing on the ends. These timbers were treated in the second run which, as stated by the report of the representative of the Barschall Company, found in the Appendix, did not give proper treatment. The oaks and pines treated by the Barschall process are so far sound.

(6) The results of the test clearly indicate that where timbers treated by various processes are to be compared they should be treated preferably in large quantities, and as nearly as possible under the usual conditions governing the treatment of timber for commercial purposes.

### PROSPERITY.

National Nurseryman Publishing Co.,  
Gentlemen:

We think prosperity in full tide, must have struck the nurserymen right in their pocket-books this year, by the way they have poured in orders for Box Straps. They have simply kept us swamped. Had to split orders, and ship a little as made, from New England to Oregon to keep all going. We have now about caught up on back orders, and ought to thank our friends for their business and patience. Do it for us. We shall soon commence piling straps for the next run, and as our works are now operating steadily, we don't intend to get caught this same way again. We are glad of our friends' prosperity.

Yours very truly,

W. C. DICKEY, Secy. and Treas.

It is reported that the Patten Nursery of Charles City, Iowa has been secured by the Department of Agriculture and will be made an experiment station.

H. R. Cotta of Rockford, Ill., landscape architect, contractor and proprietor of the Cotta Nursery has removed his office from 625 Rockton avenue to the Ralston building, 122 N. Church street, in order to handle more promptly his increasing trade.



### NIAGARA FALLS SAVED AGAIN.

Niagara Falls has been saved again for "all the people." Congress has again exercised its rights in controlling the water of the Falls and recognized the expressed desire of the American people that the great scenic wonder be guarded from the diversion of its waters for purely commercial activities.

The story of the latest effort to secure legislation in behalf of the people at large by the preservation of the Falls is an unusually interesting one. Under the provisions of the Burton law the amount of water that could be diverted from the river above the Falls for the great power plants was regulated by governmental control. That bill was to expire by limitation June 30 of this year. It had been originally enacted through the efforts of the American Civic Association which had as a splendid friend in Congress, Hon. Theodore E. Burton, of Cleveland, Chairman of the Committee on Rivers and Harbors. When enacted it was thought the term of three years would be a sufficient time for the completion of the long-pending treaty between the United States and Canada, which would include provisions for the control of the waters of Niagara.

Two months ago the terms of a treaty had been presented to the Senate for approval. It would have safe-guarded in but a partial way the beauty of the Falls, and to that extent would have afforded temporary satisfaction until specific legislation could be enacted. But during the closing weeks of Congress it became apparent that the treaty might fail of ratification by the Senate. Then arose the emergency, and again the American Civic Association, led by its President, J. Horace McFarland, demonstrated its power in securing quick and efficient results. The Rivers and Harbors bill had been reported, with no especial provisions for Niagara. Just one week prior to adjournment, Chairman Burton, who has been the constant friend of the people in the saving of Niagara, presented a House Joint Resolution extending the terms of the Burton Bill for an additional period of two years. Then came action.

The aid of every member of the American Civic Association was enlisted in the forwarding of telegrams and letters to Congressmen asking the passage of the resolution. The House gave almost immediate response in its passage two days after it had been presented. Then the shower of telegrams and letters, all directed from the general headquarters of the American Civic Association, was turned on the Senate, where it was feared the resolution might be lost in the rush of other important legislation that always occurs in the closing days of Congress. But the demand was insistent; the Senators heeded the call, received the resolution and on Tuesday, two days before adjournment, passed it under unanimous suspension of the rules. It was short, sharp work—but effective. Not only have the Falls been guarded, but the efficiency of the American Civic Association has again been demonstrated.

As one of the members said, "If the American Civic Association had never achieved anything more than its grand work for the Falls of Niagara, it would more than have justified its existence and maintenance. But it is doing more. Niagara is but an incident. It is making, daily, for "A Better and More Beautiful America" by inspiring in all parts of the United States and Canada positive work for the physical development of cities, towns and villages."

The National Nurseryman Publishing Co., Inc.,  
Rochester, N. Y.

Dear Sirs:

Herewith we enclose you annual subscription for your Journal. It is very welcome, and we are always glad to see it, and it keeps us in touch with many of our friends on your side of the water.

Yours faithfully,

JOHN PALMER & SON.

NATIONAL NURSERYMAN,  
Rochester, New York.

GENTLEMEN:

Please send me the NATIONAL NURSERYMAN for a year; the copy you sent me had information in regarding proposed legislation as to seedlings and Brown Tail Moth very valuable to me. No inspector should be without your publication.

Rochester, N. Y.

JOSEPH H. DODGE.

### SMOKER COMMITTEE GETTING BUSY.

Editor National Nurseryman:

Since the appointment of the committees the Nurserymen have all been so busy that it has been utterly impossible for any of us to take time to look after the preliminary matters relating to the convention. Our packing season is now practically over, and we expect to have a meeting next week, at which time something definite will be done regarding the entertainment of the delegates coming to the convention.

You can say, however, that the committee in charge of the smoker, will leave no stone unturned to give the delegates one of the best entertainments they have ever had the pleasure of attending. We intend to "go the limit" and make the occasion a memorable one, indeed, one that will not soon be forgotten. It is the earnest wish of every member of the general committee to make the convention a record-breaker, both as to attendance, business interest and the general relaxation, and you can rely on the committee on smoker to do its share.

E. S. OSBORNE.

### OUTLINE OF PROGRAM.

For the June Convention of the American Association, the speakers definitely arranged with are as follows: Dean L. H. Bailey, Cornell University, Ithaca, N. Y., "The Science Point of View;" L. A. Berckmans of P. J. Berckmans Co., Augusta, Ga., "Commercial Peach Orchard;" J. W. Hill, Des Moines, Ia., "Should Wholesale Protect Retail;" Samuel C. Moon, Morrisville, Pa., "Evergreen Conifers;" E. S. Osborn, Charlton Nursery Co., Rochester, N. Y., "Relations Between the Grower and Reliable Retailer;" Dr. W. H. Jordan, N. Y. Agricultural Experiment Sta., Geneva, N. Y., "The Experiment Station and the Fruit Interests;" T. B. Wilson, Orchardist, Halls Corners, N. Y., "What the Orchardist Expects from the Nurseryman;" Commissioner of Agriculture, R. A. Pearson, Albany, N. Y., "Our Departments Work;" J. H. Dayton, Storrs & Harrison Co., Painesville, O., "Nurserymen pulling together a little more;" Hon. H. H. Edgerton, Mayor of Rochester, Rochester, N. Y.; (Geo. S. Josslyn, Fredonia, N. Y., Judge John D. Lynn, Rochester, N. Y., leading end men.)

The Montgomery, Mo., *Standard* has a poet who is "strictly business." He sings in this strain:

"Just a card is all you care for—

Hidden, lonesome, and unread

Like the sign upon a tombstone

Telling folks that you are dead.

Wake up, man, and take a tonic,

Bunch your hits and make a drive,

Run a page and change your copy,

Advertise and keep alive."

Alton Randall of Dansville, N. Y., is reported to have purchased the nursery interests of Isaac C. Rogers of that place.

J. H. Skinner & Co., of Topeka, Kans., has rented 80 acres of land at Holton and have planted a complete line of nursery stock, to be furnished at wholesale only. T. W. Vaught is managing this nursery.



**MERGER OF EASTERN CANADIAN NURSERYMEN.**

The *Canadian Gazette* announces the incorporation of Luke Brothers, Limited, Montreal, formerly Luke Brothers Company. The partnership composing the latter has been registered since March, 1896. The charter issued by the Federal Government to the new Corporation is dated March 30th, 1909. The following firms have been absorbed:

Capital Nursery Company, Ottawa.  
Jacques Cartier Nursery Company, Montreal.  
Dominion Nursery Company, Rougemont.

The consolidation gives the new Corporation one of the largest forces of agents operated by any firm or company in America. The head office will be in Montreal. The capital is \$100,000. S. M. Luke has been elected president, E. B. Luke, vice-president.

**LAWRENCE NURSERIES CHANGE HANDS.**

"G. L. Knight has disposed of his nursery interests at Lawrence, Kansas, to C. W. Carman, proprietor of the Lawrence Nurseries at that place. During the last twelve years Mr. Knight had built up a large agency business in the west as well as a substantial wholesale trade. The stock turned over consists of about 125,000 apple, 50,000 peach, 30,000 cherry and plum together with a general assortment of small fruits and ornamentals. Mr. Carman has combined the business of the two concerns and all will be conducted by him under the name of The Lawrence Nurseries. Mailing lists should be corrected accordingly."

In this connection we wish to call attention to the fact that this company has been receiving from two to five duplicate lists addressed in different ways as C. W. Carman, Lawrence Nursery Co., The Lawrence Nurseries, G. L. Knight, and The G. L. Knight Nurseries, and presume this is true of other firms in the business. If wholesale lists were revised considerable time and postage could be saved.

C. W. CARMAN.

**TREE AGENTS HIT.**

A bill to punish fruit-tree agents for misrepresentation recently came up for consideration in the Kansas legislature, and for two hours members from the rural districts told how they had been swindled, says the *Country Gentleman*. One member, a nurseryman, tried to amend the bill to make it easier for the poor agent, but the farmers voted him down and made it a penitentiary offense to sell one kind of tree and deliver another. The buyer is given seven years in which to detect the fraud.—*American Florist*.

National Nurseryman Publishing Co.,  
Rochester, N. Y.

Dear Sir:

We beg to acknowledge receipt of your favor of the 24th inst in which you modestly remind us that our subscription is due. We have pleasure in sending you herewith Money Order \$1.00 which we understand will secure a place for our name on your mailing list until May 10, 1910.

We assure you that the NURSERYMAN is always welcome here, otherwise it would have not been admitted for a period extending over more than fifteen years. We fervently hope that the Journal may continue to meet with the success that is so fully merited by those in charge of its affairs.

Believe us,

Yours very truly,  
LUKE BROTHERS COMPANY.

The spring season in eastern Texas is reported as being unusually dry with an unpromising outlook for a fruit crop.

Subscribe now for THE NATIONAL NURSERYMAN, so as to keep in touch with the news of the Convention to be held in the city of Rochester next month.

**THE CIVIC LEAGUE OF SALEM, MASS.**

Down in Salem, the Civic Improvement Society of that town is doing things. The evidence of this is set forth in a pamphlet entitled "A Message to Salem Citizens." To show the scope of the society's efforts, the following statement is presented, being taken from the announcement pamphlet of the League:

The Civic League's aims are of vital interest to every citizen and taxpayer of Salem.

The Civic League of Salem stands for a clean business administration of city affairs.

The Civic League of Salem believes in the complete separation of politics from municipal elections and administration.

"Special Interests" should have no favored place in American Institutions—they belong in Turkey or Russia.

The Civic League of Salem believes in such administration and operation of public utilities as will best serve all the people.

The Civic League of Salem believes in strict enforcement of laws and ordinances—no exceptions or evasions.

The Civic League of Salem believes in clean, well-lighted streets, good shade trees, improved water fronts, better sanitary conditions, improved parks, playgrounds for all our children, larger school-yards, better housing conditions.

The Civic League of Salem believes in progress—no condition is so good that it might not be bettered.

The Civic League of Salem, believes in a comprehensive plan for the future growth of Salem including a civic center around which shall be grouped future public buildings.

The Civic League of Salem believes that the united as well as the individual effort of every man, woman and child is necessary if Salem is to become what we have every right to expect it should be—a clean, healthy, beautiful and well-governed city.

The Civic League of Salem believes that Salem citizens have public duties to perform, quite as imperative as those of our public officials.

We note that Mr. Harlan P. Kelsey is president of the League, and no doubt much of its initiative progress is to be credited to Mr. Kelsey's energy and generosity of service.

**CONSERVATION OF FORESTS.**

Advanced forest legislation is contemplated in a bill now before the Legislature of Pennsylvania which proposes "To regulate the management of timber lands in the Commonwealth of Pennsylvania for the purpose of preventing floods and droughts, conserving the water supply and securing favorable conditions of water flows." The act proposes to give the State Department of Forestry power to make reasonable rules for the cutting and removal of timber and wood from the timberlands of the Commonwealth and to direct the use that may be made of all timber and wood lands with a view to conserving the timber and water supplies of the State.

Pennsylvania has long occupied an advanced position in its appreciation of the value of its forests and has passed many laws and made large appropriations for the benefit of its Department of Forestry. This proposed legislation would crystallize all former enactments and give the Forestry Board definite authority over all forest lands in the State.

The American Civic Association is favoring the passage of the bill because it regards it as a model of forestry legislation which should be adopted by the legislatures of all states in which forestry bureaus are maintained.

**WHAT THE AMERICAN CIVIC ASSOCIATION DOES.**

"Few persons realize the vast amount of commendable work that, the American Civic Association has accomplished. Its successful campaign against the commercial spoliation of Niagara Falls brought its activity into wider acquaintance, but it has achieved much in a minor way which has gone without loud hurrah or advertisement.

"Such an organization should command the good will, if not the practical assistance of all who have pride in the town where they live."—*The Pittsburg Post*.



## Catalogues Received

Fancher Creek Nurseries, Fresno, California, President and Manager, George C. Roeding. A very sumptuous pamphlet of 120 pages with index richly illustrated with half tones and colored plates. This catalogue is in fact a brief guide to the culture of the fruits which it describes,—the leading citrous fruits in addition to the olive, the fig, the principal nuts, and the plum, are treated in condensed paragraphs at the beginning of each chapter. The directions are such as will enable the beginner in fruit culture to start without danger of making serious mistakes.

C. W. Brownell & Co., Walden, N. Y. Wholesalers and exporters of orchid rotted and azalea peats leaf mould. Live sphagnum moss for orchids; baled sphagnum moss, etc.

Harlan P. Kelsey, Salem, Mass. Wholesale price list of rhododendrons, azaleas, and other strictly hardy American plants.

A. Mitting, Santa Cruz, Cal. Price list of all plants, trees, seeds and berries ready to ship from December 1st; also catalogue of new varieties of geranium, dewberry, blackberry, lemon and raspberry.

W. VanKleef & Sons, Boskoop, Holland, are sending out a 1909 Calendar to be had for the asking.

L. J. Hellemous Nurseries, Oudenbosch, Holland. Trade price list and catalogue of forest and ornamental trees, spring flowering, forcing and American plants, conifers and evergreens.

Armstrong Nurseries, Ontario, California. Growers of select fruit and ornamental trees, grape vines, small fruits, roses, palms, shrubs, and plants. 20th anniversary catalogue.

Oscar H. Will & Company, Bismarck, N. D. Will's hardy trees and seeds, pioneer seed house of the north-west. Cover of catalogue adorned with bright colored pansies.

California Nursery Co., Niles, Cal. Catalogue No. 3, of fruit and ornamental trees, evergreens, palms, shrubs, roses, etc.

Pennick & Co., Delaney Nursery Co., Wicklow, Ireland. Illustrated catalogue of hardy flowering shrubs, forest, fruit trees and herbaceous plants.

Haldeman Manf. Co., Springfield, Mo. Catalogue and pamphlets Aggeler & Musser Seed Co., Los Angeles, Cal. Finely illustrated catalogue.

Conrad Appel, Darmstadt, Germany. Seed Catalogue for Spring, 1909—120th year.

Wm. F. Bassett, Hammonton, N. J. Trade list of Hardy American Plants, Shrubs and Trees. Novelties and Specialties, etc.

Chase Nursery Company, Huntsville, Alabama, Spring 1909 Bulletin No. 2, Surplus, Nice Transplanting Stock, Imported Stocks and Seedlings.

George H. Whiting Nurseries, Yankton, South Dakota, 25th Annual Catalogue, Spring of 1909, illustrated.

George R. Schaubert, Ballston Lake, N. Y., Spring list for 1909; strawberry plants.

Stark Brothers Nurseries & Orchards Company, Louisiana, Mo., Stark Fruit Book, with beautifully colored plates. Price list for spring, 1909.

Pleasant Valley Nurseries, Arthur J. Collins, Morrestown, N. J., 1909 catalogue for the Horticulturist and Gardener, trees, plants, vines, spray materials.

Lake Avenue Fruit Farms and Nursery, J. H. Teats & Sons, Williamson, N. Y., Growers of apple, pear, plum, cherry and quince trees, and raspberries.

Oak Lawn Nursery, Huntsville, Ala., Bargain list for February and March of fruit and nut trees.

Goulds Mfg. Co., Seneca Falls, N. Y., Spraying apparatus.

L. J. Farmer, Pulaski, Oswego County, N. Y., The Strawberry Man of Pulaski; catalogue of berries and garden truck.

Mount Hope Nurseries, Ellwanger & Barry, Rochester, N. Y., Abridged catalog of new and noteworthy trees, shrubs, evergreens, fruits, roses, hardy plants.

Forest City Nurseries, Herbert A. Jackson, Portland, Maine, wholesale trade list for 1909, hardy evergreens, deciduous trees, shrubs and vines, hardy flowering plants, etc.

F. E. Myers & Bro., Ashland, Ohio, Catalogues of spray pumps, and other apparatus.

Forest Nursery & Seed Company, J. H. H. Boyd, Proprietor, McMinnville, Tenn., Wholesale trade list for Spring 1909 of trees, shrubs, etc.

Stark Brothers Nurseries & Orchards Co., Louisiana, Mo., The Apple Stark "Delicious," in color, and other fruits.

Storrs Harrison Co., Painesville, Nurseries, Painesville, Ohio. Illustrated catalogue for spring 1909 of fruits, flowers and general nursery stock.

Fraser Nursery Co., Huntsville, Ala., Surplus List, January 26, 1909.

Daniel A. Clarke, Red Oak Nursery, Fiskeville, R. I., Clarks Hardy Flowers for Spring, 1909. A very dainty little catalogue.

Barnham Nurseries Ltd., Barnham, Sussex, England, Trade catalogue of fruit trees, roses and general nursery stock.

Barber-Prink Company, Macclenny, Florida. Catalogue profusely illustrated, of fruits, nuts, shade and ornamental trees, roses, shrubs, etc., for 1909.

Harlan P. Kelsey, Salem, Mass., Wholesale price list for Fall, 1908 and Spring, 1909 of Rhododendrons, azaleas and other strictly hardy American plants. Also folder "Hardy American Cranberry."

Huntsville Wholesale Nurseries, Huntsville, Ala., Trees, December, 1908, and January, 1909.

Griffing's Semi-tropic Nurseries, W.C. Griffing, Manager, McAllen, Texas, Semi-tropic catalogue of fruits, trees and plants adapted to eastern and southern Texas and Florida.

D. McNallie Plant & Fruit Company, Sarcoxie, Mo., and Durant, Okla., 1909 catalogue and price list of strawberries.

The Goulds Mfg. Co., Seneca Falls, N. Y., Descriptive price list of hand and power sprayers, nozzles and fittings.

Oak Lawn Nursery, Huntsville, Ala., Wholesale price list Number One, of shade trees, hardy flowering shrubs, cuttings, bulbs, climbers, etc. Also January bargain list of fruit and nut trees, roses, etc.

Elm City Nursery Co., New Haven, Conn., Illustrated folder of Elm City Nurseries.

Samuel Cooper, Delevan, N. Y., Descriptive price list of strawberries.

"Friend" Mfg. Co., Gasport, N. Y., "The 1909 Friend" spraying outfits. Illustrated.

Union County Nurseries, Hiram T. Jones, Elizabeth, N. J. Hardy Stock for Pleasure Grounds; illustrated descriptive catalogue.

## ALVIN JAPANESE NURSERY

Importers and growers of JAPANESE CITRUS FRUIT TREES, other Japanese varieties, plants, bulbs, ornamentals.

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**F**OR SEVERAL years I have been filling strawberry plant orders for a great many leading nurserymen. Most of these send me their shipping instructions and tags and I ship direct to their customers. As this seems to be the best way for nurserymen to have their strawberry plant orders handled I am preparing to greatly improve my facilities for this work and to make it one of the main features of my business. The additional charge made for handling orders in this manner is very small, just enough to pay the additional expense of billing out small orders. I also ship plants direct to nurserymen who wish to bill out their own orders.

The extensive improvements I expect to make this summer will enable me to give all nurserymen prompt, accurate and careful service.

If you buy strawberry plants get in communication with me before contracting for your next season's supply

## W. W. THOMAS

THE STRAWBERRY PLANT MAN  
ANNA, ILLINOIS

200 ACRES IN PLANTS

ASPARAGUS AND RHUBARB ROOTS

NAMES OF NURSERYMEN WILL BE PROTECTED

ESTABLISHED 1845

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IF YOU ARE INTERESTED IN:

Box Elder, Elm, Soft Maple  
and Walnut Seedlings.  
Elm, Linden, Norway Maple  
and Carolina Poplars all sizes.

A GENERAL STOCK OF

Althea,  
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Siberian Dogwood,  
Spirea Van Houttii,  
Purple Leaved Barberry,  
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Azalias,  
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Also a large stock of Cherry, Plum,  
Peach, Grapes, Currants and  
Gooseberries.

Send for Spring List just issued.

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PRINCETON, ILLS.

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One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

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"A. B.," care of NATIONAL NURSERYMAN.

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A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.  
Write direct to us, we have no agents.

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### OFFER FOR FALL 1909

Cherry 2 Year in Car Lots

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Our Cherry promises very fine both in 1 and 2 year. Also general line of other Nursery Stock.

Cherry Buds to offer in any quantity in season ready to cut July 1st.

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GEO. H. JOHNSTON, Prop.

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NURSERIES  
420 ACRES

## WE GROW

FRUIT TREE STOCKS—All Sizes.  
300 varieties of Conifers, 1 to 4 years old.  
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.  
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.  
250 varieties of Climbing Plants.  
400 varieties of Conifers, 1 to 4 feet high.  
400 varieties of Perennials.  
800 varieties of New and Old Roses.

We Have No Agents.  
Write direct to us and  
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TRANSON BROS. & D. DAUVESSE'S NURSERIES,  
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WANTED—A man thoroughly competent to take charge of stock book and aggregating agent's orders; must be accurate. Good position for the right party.

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Established 1853

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Sounds a lot, doesn't it? but we have good reasons for believing that Raffia prices are going way up. That's why we stocked up. We advise you to do the same while prices are low.

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This is the Nurseryman's grade. The best Raffia we can offer at any price. Long, strong and white.

### ARROW BRAND

Good ordinary quality, Second only to the Red Star Brand—offered at a lower price.

We will book your order now and ship when required. If you defer ordering until budding time you might pay more. Send for samples and prices, stating quantity required during 1909.

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1908 CROP - - - GOOD STOCK

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35TH YEAR

## Pan Handle Nurseries

WE OFFER A COMPLETE ASSORTMENT OF NURSERY STOCK CONSISTING OF

Apple	Poplar Carolina	Ampelopsis
Pear	Poplar Volga	Roses
Plum	Elm American	Evergreens
Cherry	Sycamores	California Privet
Peach	Mountain Ash	Buxus
Grape	Althea	Weeping Trees
Currant	Hydrangea	Catalpa Seedlings
Gooseberry	Barberries	Black Locust
Small Fruits	Syringaeas	Fruit Tree "
Maple Norway	Clematis	Catalpa Speciosa Seed.
Maple Schwedlers	Honey Suckle	Etc., Etc., Etc.
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Our stock is well grown and graded. Prices are such that it will pay to investigate. Come and see us or write.

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GREENFIELD, IND.

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Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERIES. Some of the goods on hand here during the packing season.

ROSES - SHRUBS - CANNAS - PHLOX  
JAPANESE IRIS - HERBACEOUS PAEONIES

## ALL FIELD GROWN

Teas, Hybrid Teas, Hybrid Perpetuals, Mosses, Rugosas, Climbers, Ramblers Creepers. Thirty Types. Over Three Hundred Varieties.

Planting for the season of 1909-1910 is the heaviest in our history. Varieties are the BEST and QUALITY is there, better than ever before.

We want to figure with you Mr. Nurseryman on your future orders. We have the goods—QUALITY—QUANTITY—VARIETY—and can make the prices! Your correspondence will get "quick" action.

**The United States Nursery Co.**

RICH, Coahoma County, MISS.

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The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our careful attention.

Samples and Prices Cheerfully Given.

**DAYTON FRUIT TREE LABEL CO.**  
SOUTH CANAL STREET, DAYTON, O.

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## Fine, Thrifty Western Grown Stock in Storage

SHIPMENT ON DAY ORDERED.

Two year old Cherry on Mahaleb  $\frac{5}{8}$  inch,  $\frac{1}{2}$  inch, and 3 to 4 feet. Very choice. Grown on Winfield Mahaleb.

Bartlett and Beurre d' Anjou Pear, one year old, 364 and 4-5 feet.

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370,000 No. 1 60,000 No. 2

### LINNAEUS RHUBARB.

4,000 No. 1 two yr. 33,300 No. 1 one yr.

### HONEY LOCUST.

9,000 18 to 24 inch 22,000 6 to 12 inch  
32,000 12 to 18 " 5,000 4 to 6 "

### BOX ELDER, ASH AND ELM SEEDLINGS IN SMALL GRADES.

The following list of Shade Trees on leased ground will be sold or burned.

Kind	Caliper Inch	Height Feet	Kind	Caliper Inch	Height Feet
100 (Sycamore)	1 $\frac{1}{4}$	10-12	100 Box Elder	1 $\frac{1}{2}$	10-12
100 "	1	8-10	200 "	$\frac{3}{4}$ -1	6-8
150 "	$\frac{3}{4}$	6-8	165 Elm	1-1 $\frac{1}{2}$	10-14
480 Ash	1 $\frac{1}{4}$ -1 $\frac{1}{2}$	10-12	800 "	$\frac{3}{4}$ -1	6-8
350 "	$\frac{3}{4}$ -1	6-8	600 "	$\frac{3}{4}$	5-8
190 Blk. Locust	1 $\frac{1}{2}$ -2	15 up	200 Spec. Catal.	2	12-14
50 "	1	12-15	100 "	1 $\frac{1}{2}$	10-12
50 Honey Locust	2	12-15	165 Jap.	"	10-12
60 "	1 $\frac{1}{2}$	10-12	160 "	1 $\frac{1}{2}$	10-12
20 "	1	8-10	65 "	1 $\frac{1}{4}$	8-10
150 Box Elder	3	15-18	100 "	1	8-10
300 "	2	12-15			

## The Winfield Nursery Co.

(Incorporated) WINFIELD, KANSAS.

J. MONCRIEF, Pres. E. S. MONCRIEF, Vice-Pres. R. I. LEMON, Sec'y-Treas.

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FREMONT NURSERIES

Fremont, Neb.



Growers of a General  
Line of Nursery Stock

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We offer for Fall, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list

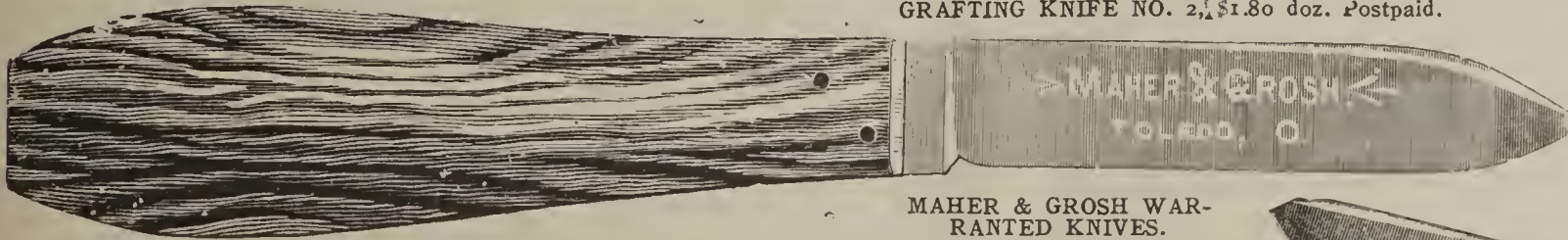
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Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Orders booked now for delivery season 1909-1910. Compare prices quoted in last Fall's trade list. For catalogues and price list address us or our

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FLORISTS' KNIFE

White Handle

No. 89

50c. postpaid

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RANTED KNIVES.

Pocket Grafting Knives, 30, 40 and 50c. each. Nursery Pruner, 50c. postpaid. Nursery Budder, 25c. postpaid. Pocket Budder, 35c. postpaid.

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Send for 12 page Nursery Tool Catalogue.

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Sta. "A," Topeka, Kansas

**SPRING, 1909**

FRUIT, SHADE AND ORNAMENTAL TREES  
FLOWERING SHRUBS.

ELM AND MAPLE SEEDLINGS, 1 YEAR. A few  
1 Year Seedlings of American Sweet Chestnut.

Horse Chestnut. Kentucky Coffee Tree.

JAPAN WALNUTS: Will make attractive prices on  
600 3 to 4 ft. 900 2 to 3 ft. 2,000 1 to 2 ft.

# E. T. DICKINSON,

**Chatenay Seine, France.**

Grower and Exporter of

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All grown specially for the American trade.

**PEAR AND CRAB APPLE SEED,**

The most complete assortment of Ornamental Stocks,  
Trees and Shrubs.

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WESTERN GROWN

Our Trees are Vigorous, No signs of Fungus, or Leaf Mould, Well Graded and  
Price Right.

EUROPEAN PLUM. We have a fine assortment.

STANDARD PEAR. A good supply of standard sorts.

GRAPE VINES. Fredonia Grown and up to Grade good  
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**SHADE TREES**

ORNAMENTAL TREES AND EVERGREENS

IN LARGE QUANTITIES

Write for Prices

ESTABLISHED 1868

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**Council Bluffs, Ia.**

We offer our large stock of  
PAEONIES at a special low price  
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**PERRY, LAKE CO., OHIO**

Offers for Fall '09, one of the Most Complete Assortments  
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HEAVY on Std. and Dwf. Pear, European, Japan,  
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Lots of shrubs, vines, roses, evergreens, herbaceous  
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Correspondence solicited and inspection invited.

Established 1780.

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BRAULT & SON, Directors

ANGERS, FRANCE,

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FOR NURSERY STOCKS OF THEIR OWN  
GROWING, GRADING AND PACKING.

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**Specialties for Spring 1909**

Japan Pear Seedlings; California Privet---Fine Plants.

**Special Inducements in Carload Lots**

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all  
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**GENERAL LINE OF NURSERY STOCK**

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Many lines of Shrubs, Ornamentals etc. will be very scarce. We have a good supply of the scarce articles, as well as a large and complete stock of Fruit, Shade, and Ornamentals, Shrubs, Perennials, Roses and Forest Tree Seedlings.

Send us your want lists for special prices.

Trade list ready February 15th. Send for copy.  
1500 lbs. Black Locust Seed to offer.

*The Willadean Nurseries*

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PHLOXES

JAPANESE IRIS

GERMAN IRIS

TRITOMAS

And a most complete line of Hardy Perennials,  
Decorative Foliage and Greenhouse Plants

Write for special prices on your requirements

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**A BARGAIN** IN STANDARD PEARS.  
Extra size, 6 to 7 ft.; 1  
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Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere  
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## Surplus Stock, Spring 1909

50,000 PEACH TREES, 1 yr. from bud.

10,000 APPLE, 1 yr. from bud.

100,000,000 STRAWBERRY PLANTS in six leading sorts.

MYER No. 1, AROMA, STEVEN'S CHAMPION.

Superior.

Gandy.

A general assortment of other stock.

D. S. MYER & SON,

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## FARM USES OF CARBOLINEUM

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covering Kinds and Habits of Lice—The care of Silos. Preservative treatment of Shingles and Fence posts and the care of Fruit and Shade Trees. Mailed free upon request.

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BEDFORD, MASS.

HIGH GRADE FRUIT AND ORNAMENTAL  
TREES, SHRUBS, ROSES AND  
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We grow everything required for Orchard, Garden,  
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## Peach Pits

Gathered in the mountains of North Carolina where the  
Yellows are unknown. Write for prices.

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Greensboro, N. C.

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**W**E grow a general assortment of Trees, Shrubs, Vines, Roses and Herbaceous  
Perennials, Etc. Prices reasonable. Wholesale Trade List for the asking.  
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Plain or  
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Ben Davis





Everything in  
**Small Fruit Plants.**

Ask for price list.

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**Offers One Million Grape Vines**

One and Two Year Old for  
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Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

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for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

**SPECIAL**—We have 1000 bu. of Red and Burr Oak Acorns, on which we can make special low price.

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DUNDEE, ILLINOIS

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Successor to WHEELLOCK & CLARK

AT IT SEVENTEEN YEARS

For **SPRING 1909**

GRAPE VINES AND CURRANT PLANTS

GRAPE AND CURRANT CUTTINGS

CORRESPONDENCE SOLICITED

**California Privet**

LARGEST STOCK IN THE COUNTRY

SEND FOR PRICES

C. A. BENNETT, Robbinsville, N. J.

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Offer a complete general line of Nursery stock such as Apple, Pear, Plum, Cherry, Peach, Small fruit plants, Vines, Evergreens, Forest tree seedlings and Ornamental trees and Shrubs.

400 lbs. guaranteed Catalpa Speciosa seed at a special price to close them out.

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**Grape Vines**

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

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Address, GRAND FORKS NURSERIES  
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We have a Large Stock and can Ship Promptly.

NURSERIES AT CARROLLTON AND JERSEYVILLE, ILL.

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CARROLLTON, ILL

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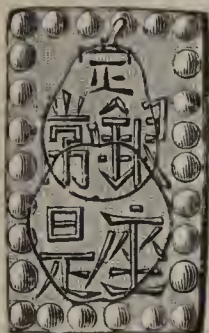
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# Heikes --- Huntsville --- Trees



Huntsville  
Wholesale Nurseries  
Huntsville, Ala.  
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We offer for the Fall of 1909 and Spring of 1910 in large quantities as usual :

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**PEARS**—Kieffers, one and two years old. A much smaller crop than heretofore  
**PEARS**—Assorted leading varieties. One and two yrs. old.  
**CHERRIES**—On Mahaleb. Leading sour varieties. A large block but not as many as usual.  
**PEACHES**—We excel in Peaches, and of these we will have as large and as fine a stock as we have ever grown, both in one year and June Buds.  
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**PECANS**—We make a specialty of grafted Pecans. These are grown in our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.  
**ROSES**—Budded. We have discontinued the propagation of Roses at Biloxi. We will have a large stock of leading Hybrid Perpetuals and Mosses grown at Huntsville.  
**PRIVET**—Amoor River. Retains its foliage longer and holds its color better than Colifornia Privet.  
**MAGNOLIA G. F.**—Huntsville grown. Handsome, young plants, transplanted.

See Price List for particulars.

Address, W. F. HEIKES, Manager,  
HUNTSVILLE, ALA.

# STARK BRO'S NURSERIES & ORCHARDS COMPANY

CAPITAL STOCK \$1,000,000

PIONEER NURSERIES OF THE WEST

Established 1825

Fourth Generation of Stark Nurserymen

STARK DIGGERS are now furnished with a very heavy double edged blade of highest quality crucible steel ; prevents all twists and spring. A boy can pull trees loosened by the adjustable lifter.



Throw n in or out o the ground quickly, without heavy lifting. Easily turned. Moved from one location to another on its own wheels. Used by many of the leading nurserymen; has always given satisfaction.

Write for Descriptive Circular and Prices

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Storage Capacity 1,000 Car Loads  
A GENERAL LINE OF NURSERY STOCK

**H**AVE you seen and examined the quality of our water-proof rawhide shipping tags and tree labels? This stock is



especially adapted to hard usage and outside use. "Once used, always used." Send for samples and prices. Our refer-

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**The Denney Tag Co.**  
WEST CHESTER, PA.

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**WEeping BLUE SPRUCE**. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.  
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**CONIFERS and EVERGREENS**, 150 varieties.  
**RHODODENDRONS**, Hardy Hybrid and Maxima, 50 varieties.  
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**HEDGE PLANTS**, 25 kinds.  
**HARDY VINES and CLIMBERS**, 75 varieties.  
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**SPRING and SUMMER FLOWERING ROOTS and BULBS**, 250 varieties.  
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**TRAINED and OTHER FRUIT TREES**. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.  
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NURSERYMEN AND FLORISTS,  
RUTHERFORD, N. J.



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Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolus, Cannas and Dahlias  
Nurserymen Should Try My Simplex Tree Baler  
IT DOES THE WORK. PRICE \$16.00.  
Special 20,000 California Privet.

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Write for sample  
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Clark Nursery Co.  
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We now have in stock VIRGINIA NATURAL PEACH SEED,  
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VIRGINIA NATURAL PEACH SEED CO.,  
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ADAPTED TO ALL PARTS OF THE U. S.

By T. V. MUNSON, D. Sc.

Leading Authority on Grapes in America, is now offered  
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T. V. MUNSON & SON, Publishers, Denison, Texas.  
SEND FOR TERMS.

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Japan Persimmon, Japan Walnut,  
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Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit  
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Prices always right.

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400 best sorts

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SEND your want LIST  
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Bell Telephone connections in office.

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Offer for Spring 1909

Peach Trees of all the leading varieties,  
California Privet and Grape Vines

Send in your list of wants for Special Prices.

Grand stock of specimens  
London Planes,  
Acer Schwedleri,  
Lime Dasystylla,  
Horse Chestnuts—red  
and white flowered  
Thorns—Paul's Scarlet,  
Large leaved Elms, Etc.  
Catalogue 1909 now ready,  
will be sent on  
application.

GROENEWEGEN & SON  
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NURSERIES  
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near Utrecht  
HOLLAND

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PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

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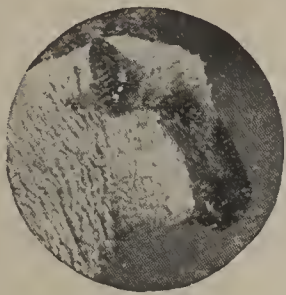
We offer the trade nearly a million plants in the above for Fall and Spring de-  
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especially for the Nurserymen's Retail trade, and offer prompt and satisfactory ser-  
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American Sycamore in surplus, with other ornamental stock. Trade list ready  
August the first. VALDESIAN NURSERIES.

Bostic Department, Bostic, North Carolina.

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## Natural Guano



PULVERIZED Sheep Manure, pure and unadulterated. Unexcelled for all kinds of Nursery Stock, giving healthy and luxuriant growth to the plant. Can be applied either with drill or fertilizer attachment.

Price and freight rates on application.

**Natural Guano Company**

AURORA, ILLINOIS

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NURSERIES AT

**Oudenbosch and Boskoop**

Proprietors { U. J. Heerma Van Voss, Czn.  
H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Largest growers of Ornamental, Deciduous and Evergreen Nursery Stock.

SOLE AMERICAN AGENT :

J. MEERKAMP VAN EMBDEN, Mt. Vernon, N. Y.

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Angers, France

Wholesale Grower and Exporter of Fruit-Tree Stocks, Forest-Tree Seedlings, Rose Stocks, Shrubs, and Conifers for Nursery Planting.

Write for special price-list and catalogue.

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Sole Agent for the United States and Canada.

## Specialties

PEARS, Kieffer—PEACHES, all grades, in large assortment—CHERRY—PLUMS, European and Japan.

### EVERGREENS

Arbor Vitae, 2 to 10 ft. Irish Juniper  
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All in large sizes.

BLACK LOCUST  
SEEDLINGS

GOLDEN WILLOW  
in small sizes

Silver Maple, American Elm, Catalpa,  
Bungei, Cut Leaf Weeping Birch

Write for Special Prices

**The Farmers Nursery  
Company**

TROY, OHIO

Nursery Stock grown at Dansville, N.Y. and Troy, O.

## Red Star Raffia Best for Budding

No waste ; strands are long, strong and of good color. WE take the risk and will replace any "Red Star" brand that proves unsatisfactory.

Why should you take chances on the unguaranteed, promiscuous brands ?

Ask for sample of "RED STAR" Brand

**Thomas Meehan & Sons**

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# Evergreens

are my leading specialty. Our soil and climate is acknowledged to be especially adapted for producing healthy, thrifty trees with an abundance of fibrous roots. My stock includes "Everything in Evergreens" from millions of small seedlings and transplants to well formed specimens 2 ft. to 20 ft. in height. In most varieties we have immense quantities in sizes that are just right for growing on, two and three year transplanted stuff with good roots and an abundance of them. You will be surprised how little money is necessary to build up a good stock of evergreens, and you don't have to figure on much loss when buying Hill's Evergreens, if you do your part. NOW is a GOOD TIME to stock up.

*I also make a specialty of growing*

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in immense quantities such as European Larch, Catalpa, Black Locust, American Elm, American Linden, Horse Chestnut, Sweet Chestnut Hard Maple, Norway Maples, Red Oak, White Oak, Burr Oak, Chestnut Oak, Black Oak, Birch, Beech, Ash, Box Elder, etc.

*In addition to the above I have a complete line of*

## Deciduous Shade Trees

of all the most important varieties. Several blocks of Elm 2 1/2 to 5 inches in diameter with extremely well formed tops and straight trunks, A fine lot of Linden.

1909 CATALOG READY NOW. WRITE FOR IT.

### D. HILL

Evergreen Specialist  
DUNDEE, ILL.

"Dundee Grown" Trees Have Been Famous for Over Half a Century.

## The Buying of Trees is a Matter of Confidence

IT IS impossible for even an expert to tell from an examination of the bark and leaves of a tree whether the fruit will be good or worthless. While of importance to private planters, it is of far greater consequence to the nurserman who buys trees in quantities for distribution among his customers to know they are reliable in every way. For 26 years the Glen Saint Mary Nurseries have been perfecting their facilities for the production of absolutely dependable stock and the nurserymen who have been supplied from this source, as well as direct customers, have come to know that here they can secure

### "Trees True to Name"

Large test orchards are maintained at Glen Saint Mary Nurseries for the fruiting and proving of different varieties. These orchards enable us to point to the parent trees from which our young nursery stock is grown as evidence that we know exactly what the latter may be expected to do when they come to fruit. Further evidence of the superiority of our product is found in bearing orchards throughout the South, planted years ago with Glen Saint Mary trees. We are now growing better trees and plants than ever before.

New Catalogue or Wholesale Price List on application.

### The Glen Saint Mary Nurseries Company,

GLEN SAINT MARY, FLORIDA

G. L. Taber, Pres. & Treas.

H. Harold Hume, Vice-Pres. & Sec

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Fire-Proof

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Seventh Ave. & 38th Street

BUSINESS MEN  
FAMILIES  
TOURISTS

Maximum of Luxury  
at Minimum of Cost.

ACCESSIBLE  
QUIET  
ELEGANT

Within Five Minutes'  
Walk of Theatres,  
Shops and clubs. 300  
Feet West of BROAD-  
WAY.

New Dutch Grill  
Rooms. Largest in  
the City.

Electric Cars pass  
Hotel to all Railroads.



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\$1.50 PER DAY

\$2.00 PER DAY

WITHOUT BATH

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SUITES, \$3.50 AND UPWARDS

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in a typewriter secures durability, ease and efficiency of operation, and increases the speed and accuracy of the work : the

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Typewriter

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Marvel  
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Yet every part is carefully chosen as the best possible means to the perfect finished product.

There is nothing hidden about the Underwood. The type-bars lying when at rest in a compact segment; the patented guide—all the parts which permit the visible writing—which help, not bother, the operator will be shown you, explained also if you like; but really you'll see for yourself why the Underwood *does* endure and why its operation is easy, quick and accurate.

UNDERWOOD TYPEWRITER COMPANY, Inc.

ROCHESTER, NEW YORK



# PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST  
COMPLETE ASSORTMENTS OF STOCK FOR

## Nurserymen and Florists

in the United States, including Fruit and Nut Trees,  
Deciduous and Evergreen Trees and Shrubs, Roses,  
Hardy Vines, and Plants, Small Fruits and Grape  
Vines, Tender Plants, Bulbs and Seeds. . . . .

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in. Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

### Roses—

Hybrid  
Perpetual  
Ramblers,  
Climbers,  
Etc.,  
in large supply.

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.



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Pleased to  
price your list  
of wants or to  
show you our  
stock. Special  
inducements  
on car lots. If  
you have not  
received our  
fiftieth anni-  
versary de-  
scriptive cata-  
log, send for  
it. Catalogs  
and Price  
Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

*The* **STORRS & HARRISON Co.**  
PAINESVILLE, OHIO



# Ellwanger & Barry Mount Hope Nurseries Rochester, New York

CORDIALLY INVITE AN  
INSPECTION OF THEIR  
NURSERIES BEFORE OR  
AFTER THE CONVENTION

# A Cordial Invitation

Is extended to the Nurserymen attending the  
Convention to visit our

## Nurseries at Newark,

the nursery center of Western New York, and  
of which Rochester is one of many interesting  
suburbs; our representatives wear Badge 34;  
they will gladly tell you how to reach Newark  
by trolley—there's a car every hour—and to  
quote prices on the

## J. & P. Specialties

Roses,	Ampelopsis Veitchii,
Hydrangea P. G.	Clematis,
Tree and Bush Form.	Paniculata and Large
Perennials,	Shrubs. Flowering

Come and see us; you won't find the biggest  
place in the country, but we CAN show you the  
most extensive blocks of the J. & P. Specialties  
to be found; and we grow these in quantity be-  
cause we SELL them and then can't supply the  
demand; it's QUALITY, and GRADING, and  
the "KNOW-HOW" that does it. See our  
stock and get our prices if in doubt.

# Jackson & Perkins Co.

WHOLESALE ONLY

The Preferred Stock Grown at

Newark, in Wayne County, New York State

## THE GENEVA NURSERY

### SPECIAL OFFER

APPLE, QUINCE, PEAR, CHERRY,  
PEACH, PLUM

WELL GRADED IN ALL GRADES

Headquarters for Fruit and Ornamental  
Trees, Shrubs, Berries, Phlox, Clematis,  
Evergreens, Peonies, Azaleas,  
Rhododendrons

ROSES, budded and on own roots

Write for our special prices

Special attention given to Dealers' complete lists  
and carload lots

### INVITATION

We hope our friends will make sure to visit our nurseries  
during the Convention. Both our Office and Nurseries are  
on the R. & E. R. R. one and one-half hours from Rochester.

W. & T. SMITH CO.

Established 1846

GENEVA, N. Y.

700 Acres

## BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall  
delivery, from 10 inches to 3 feet.



ALTHAEA  
MEEHANII  
(Hibiscus Syriacus)  
(New variegated  
single flowering  
Althaea).  
Field grown  
DOROTHY  
PERKINS,  
CRIMSON  
RAMBLER,  
and MARIE  
PAVIE Roses.  
AZALEA  
INDICA,  
CAMELLIA,  
MAGNOLIA  
grfl..  
WIER'S  
MAPLE,  
TEAS,  
MULBERRY,  
TULIP  
POPLARS,  
all first class.  
Send for prices.

P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

:: AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

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# Strawberry Plants

**M**Y BUSINESS for several seasons has been growing very rapidly, and the season just past has far exceeded any former year. I have therefore been compelled to increase my acreage to meet the growing demand for my plants, and I expect this Summer to build an additional, large, up to date packing house, so that my daily output of plants will be greatly increased during the shipping season. This will enable me to handle promptly all orders that I receive. If you buy Strawberry Plants, get in communication with me before contracting for your next season's supply.

## W. W. THOMAS

"THE STRAWBERRY PLANT MAN."  
ANNA, ILLINOIS.

Established 1845

## Bryant's Nurseries

PRINCETON, ILLINOIS

Sixty-four years in growing, handling and selling all kinds of Nursery Stock is the record of our house.

Well grown trees and plants, careful attention to details, courteous treatment and promptness in the execution of orders is what has built up the business to its present large proportions.

### Our Specialties Are

**Ornamental Trees and Shrubs  
Barberry Thunbergii, Privet, &c.**

Peonys—We have 50000 to offer in the best sorts.  
Forest Seedlings by the Million—You will find prices right.

Also have a large surplus in Apple, Cherry, Currants and Gooseberries.

WRITE US FOR WHAT YOU NEED

**ARTHUR BRYANT & SON, Princeton, Illinois**

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## Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

## BOX STRAPS

**WARD-DICKEY STEEL COMPANY**

INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

**For Sale.** One of the best Nursery, Seed and Greenhouse business propositions on the Pacific coast. Rapidly increasing trade. Satisfactory reasons for offering for sale. No use corresponding unless you have \$10,000 or \$15,000 to invest as a starter.

"A. B.," care of NATIONAL NURSERYMAN.

**W**E make a specialty of collecting accounts for the Trade.

For particulars and references, address the

**National Florists' Board of Trade,**

56 Pine Street, New York City

## JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.  
Write direct to us, we have no agents.

## Vincennes Nurseries

W. C. REED, Prop., - VINCENNES, IND.

### OFFER FOR FALL 1909

Cherry 2 Year in Car Lots

Cherry 1 Year in Car Lots

Our Cherry promises very fine both in 1 and 2 year. Also general line of other Nursery Stock.

Cherry Buds to offer in any quantity in season ready to cut July 1st.

## KANSAS CITY NURSERIES

GEO. H. JOHNSTON, Proprietor

(Successor to Blair & Kaufman)

233-234 Rialto Bldg., Kansas City, Mo.

Offer for FALL 1909 and SPRING 1910 large stock of Carolina Poplars; Catalpa Seedlings; Cal Privet; Concord Grapes; Currants; Asparagus; and a full line of Ornamental Shrubs, Paeonies, etc.

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HEADQUARTERS, THIRTY-FOURTH ANNUAL CONVENTION AMERICAN ASSOCIATION  
OF NURSERYMEN.



# The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

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Vol. XVII.

ROCHESTER, N. Y., JUNE, 1909

No. 6

## WHERE BULBS AND HERBACEOUS PLANTS ARE GROWN BY THE MILLION

### DeGraff Brothers, Leiden, Holland

It was about noon on a warm day in the sunny month of August a year ago, when the writer stepped off a train at the railway station in the old city of Leiden. He had taken this train at Amsterdam about three hours previously and had been carried through the unique Holland landscape, so interesting to the visitor and so peculiarly characteristic of the region between Amsterdam and Haarlem and we might say, between Haarlem and Leiden. Many of us will think of Haarlem in connection with the quaint old story of the boy who saved the city by using his hand as a stopper for the hole in the dyke during the long hours of a dreary night. The traveler is carried through the noted bulb-growing region of Haarlem, with its many famous dykes, its broad, flat fields which at this time were occupied with many bands of men, women and children digging and harvesting bulbs in quantities suggesting to the writer the onion fields of western New York more than anything else.

On landing at Leiden, the traveler inquired his way to DeGraaf Brothers and learned that it was something like a mile from the station. A quaint vehicle, something between a brougham and a hack, transported us over the firmly but not very smoothly paved streets. The cover of the vehicle afforded grateful shade, for it was the first real warm day we had experienced in Holland. The driver took us along canals with nicely tree-shaded banks, past the historic

Stadthaus, the classic university, the students' quarters, the botanic garden rich in specimen plants once intimately connected with the importation of the East India Company,

on alongside a shady canal to a side street beautifully lined with ornamental trees which let us into spacious private grounds. This was the home of the members of the firm described in the sketch.

The attention of the visitor was at once attracted by the diversity of tree and shrub life around the home, and the evidence that a plant lover resided here, and that the interest in plants began before the activities of the present generation. We learned that Mr. DeGraaf was deep in the business of super-



Hyacinths in field culture in Holland.

intending the sorting of bulbs, and we were bidden to repair to the packing house. Here we found him in due time, with every evidence of as much of the "American hustle" present as even a whirlwind westerner could desire. The grounds around the packing house, and the area of the spacious building itself, were entirely occupied with exhibits of bulbs which had recently come in from the fields. Some of them were in process of drying; some of them were being "skinned," while others had reached the sorting stage, and still others were being packed in strong manilla sacks, either for storage or for consignment to orders awaiting being filled from customers in American or possibly other foreign lands. A numerous retinue of helpers, mostly men, were carrying out the directions of the chief.



These were busy times indeed, so busy that it was impossible for the visitor to find heart to occupy more of the chief's attention than was necessary to take a somewhat hasty survey of the home grounds. It might be well to explain that the Holland bulb grower is, in regard to the necessity of rushing his work in the autumn, much in the same position as the nurseryman of the United States; they are both anxious to leave the bulbs in the ground till the ripening process has been thoroughly completed. This is necessary to the well-being of the bulb. This process brings the season comparatively late, and in order to cure it, sort and pack it, the work must be pushed with great celerity after harvesting has been done. Therefore, the life of the bulb man during harvest and packing season is, indeed, a busy one and there is little time to devote to visitors.

We observed that the packing house work was systematized by dividing men into groups, giving each group its own piece of work and making one man of the group responsible.

The grounds about the packing house were occupied by the choicer and rarer varieties. These would naturally be grown in smaller quantities than the standard sorts. We noticed gladioli, ixias, narcissi and peonies in great variety. The main stock of bulbs, however, are grown in nurseries at some little distance from Leiden. It should be noted that this firm has branch nurseries at Sassenheim and Oegesteest. Its branch nurseries are for the purpose of taking advantage of certain soil and local peculiarities which are desirable in growing special crops for which this firm is noted.

Among the specialties which the DeGraaf Brothers have carried for a number of years is the Peony, and of these the Peonæ moutan or tree peony has occupied an important place. When the grounds of the Cornell Experiment Station were being established some years ago, DeGraaf Brothers furnished an excellent collection of these root-grafted tree peonies. The collection of the Chinese herbaceous peony is also large and varied. Of Ixias more than 60 varieties are listed. The collection of Lilies is also exceptionally large. This is true of the Iris, of which English, Spanish and German Irises are fully represented. It is unnecessary to draw attention to the tremendous list of Narcissus and Tulips offered by this firm. No less than 200 varieties of hardy Daffodils are grown and offered for sale. Descrip-

tions of these are to be found in the firm's wholesale catalogue for 1909.

Single tulips are represented in a classified list showing the early and the late flowering varieties, describing more than 200 kinds. This is followed by large collections of double tulips, Darwin tulips and Mayflowering tulips.

The firm is represented in the United States and Canada by Mr. J. H. Bockmann, care of Maltus & Ware, 14 Stone Street, New York City. We are personally under obligations to Mr. Bockmann for an exceedingly pleasant day in Leiden, and have a most grateful remembrance of a hospitable Dutch restaurant and an attractive boat ride on the canal in addition to the instructive visit to the grounds of this firm.

### TREE FRUITS FOR VIRGINIA

The Virginia Experiment Station recommends the following varieties of orchard fruits for planting in that state:

Apples: Bough, Early Ripe, Summer Rose, Williams, Oldenburg, Benoni, Jersey Sweet, Maiden Blush, Mother, Baldwin, Tolman, Peck, Roxbury, Grimes, Bonum, Via, Winesap, Arkansas (Black Twig), York Imperial, Lankford, and Yellow Newtown (Albemarle Pippin).

Crabs: Blushing Maid, Red Siberian, Transcendent, and Whitney.

Quinces: Champion and Rea.

Pears: Bartlett, Bosc, Clapp, Kieffer, Lawrence, Seckel, Sheldon, and Summer Doyenne.

Peaches: Alexander, Early Crawford, Late Crawford, Old Mixon Free, and Smock.

Plums: American Eagle, Bradshaw, Gueii, Grand Duke, Munson, Smith Red, Red June, Satsuma, Wild Goose, Yellow Egg, and Wooten.

Cherries: Coe, Early Purple, Rockport, and Windsor (Sweet); Hortense, Large Montmorency, and Olivet (Sour).

### OBITUARY

HUGO BEYER

Died at New London, Ia. on May 18. Mr. Beyer was a german seedsman, interested in small fruits as well as flowers.

C. A. ALLEN

At Floral Park (L. I.), New York, on May 21, in the 81st year of his age. Mr. Allen was widely known as a seedsman, bulb grower and author. He was the possessor of a large horticultural library.



The Crocus is a native of the Swiss mountain sides and the cooler parts of Europe.



# LAYING THE FOUNDATIONS OF AMERICAN GRAPE CULTURE

By T. V. Munson

(Mr. Editor THE NATIONAL NURSERYMAN; you have asked me to relate something of my work with grapes for your columns and in compliance with that request this article is written.)

Some thirty-two years ago the writer became interested in growing grapes and planted about two acres in the chief varieties then grown North and South, on an eastern hillside near Denison, Texas, in rich cretaceous, limestone soil. The latitude of Denison is about  $33^{\circ}, 45'$ . The summers are long and often very dry, remaining sometimes eight to twelve weeks without rain, altho the average annual rainfall is above 40 inches, mostly in October, May and June. Buds push in March and leaves fall about November 1st.

The vines grew splendidly and bore fine crops for two years. Then the vineyard became infested with mildew and black rot; long drouths came and it was seen that all varieties of *Labrusca* and its hybrids such as Concord, Ives, Martha, Moore, Early, Rogers, Ricketts and other hybrids with *vinifera* suffered greatly from the heat and drouth and became profitless in 8 to 12 years, while the southern kinds, Herbemont, Lenoir and the Scuppernong and other varieties of the Muscadine species remained vigorous and prolific. But these were either too small in berry or in cluster and the Muscadines dropped as soon as ripe so that the outlook for profitable vine culture was discouraging.

There then grew in the woods on the Red River sandy hills innumerable "Post-Oak Grapes" (*Vitis Lincecumii*), a nearly allied species to the "Blue Grape" or "Fall Grape" (*Vitis bicolor*) of New York, Ohio, and southern Michigan, Indiana, Illinois, and southern Wisconsin, but having clusters as large or larger than Concord, sometimes a foot long, and berries often as large as Concord, with here and there a vine with much finer quality than has Concord. But I found all bearing vines ceased to bear when set apart by themselves, being practically pistillate and required improving in this and other respects before they could be used commercially. There were also several other species of wild grapes found in the region round about and I undertook the identification of the various wild species by comparing with botanical descriptions given in Gray's, Englemann's, and other botanical works, even ransacking Millardet's and Planchon's universal French works on species of grapes. But finding a good many errors and some confusion in their classifications, I then conceived the idea of fully working

out the necessary foundation material on which to base American Grape Culture, to fill its sphere fully as it by nature is capable. This I saw required long years of study of all our native species of grapes, the collection of the best of each, planting side by side in vineyard and hybridizing one with another and the best varieties in cultivation. In this work, in special journeys for the purpose and incidentally in other journeys in

which I traveled altogether some 75,000 miles, reaching into every state and territory in the United States in North America, except six and considerably into Mexico, I hunted grapes from car-windows, jumping off to collect specimens at every stop in the wood to water, or coal, or cool a hot box, or wait for other trains; I rode on horse-back many days in each year in grape time for several years in Texas and Oklahoma hunting for choice varieties to move into my vineyards as parents for new families. I wrote many hundreds of letters to botanists and grape growers thruout the States to aid me by collecting and sending specimens of leaves, wood, fruit and plants of all wild grapes in their regions, and received generous response, for which I am and ever shall be grateful. I studied the grape specimens in all the leading herbaria of the United States and



Professor T. V. Munson, Denison, Texas.

my own the fullest of all and the plants in my own grounds of all species from seed, its germination on thru every stage and season of growth to the mature bearing vine and found, instead of thirteen species of grapes in North America, as Englemann had mentioned, no less than twenty-four or five, with prospects for others in South Mexico and Central America, having discovered or described and named no less than *seven* well distributed forms, equally as well entitled to specific distinction as the well recognized species, four more than any other botanist discovered and described of American grape species. These are *Vitis Baileyana*, Apalachian Mountains; *V. Blancoii*, Mexico; *V. Doaniana*, northwest Texas; *V. Girdiana*, southern California; *V. Munsoniana*, southern Florida; *V. Simpsonii*, southern Florida; and *V. Treleasii*, Arizona and New Mexico. The greatest number named and first described by any other botanist were three by Michaux and three by Englemann.

I wrote many articles for horticultural societies and journals, that have been published in the United States and France during the last 25 years. I supplied herbarial speci-



mens in complete sets of all North American and most Asiatic species of grapes, one set to each of the chief herbariums in the United States and eleven sets to as many agricultural colleges and two full sets to institutions in France; and supplied to a number of experiment stations full sets of live plants of all the species and of my own hybrids for testing.

I prepared in 1889 and 1890 a monograph, botanical and viticultural on American Species of Grapes for the Department of Agriculture, under solicitation and charge of H. E. Van Deman, then the Chief of Division of Pomology. It gave full, botanical descriptions and viticultural observations and life-size color plates 10x14 inches, in water colors by a fine artist, of all the species. The Secretary of Agriculture, then—Rusk—could not get sufficient appropriation to reach such a work in the Division of Pomology. Van Deman went out with the Rusk administration, and other interests crowded that work out of sight, and it lies sleeping among the archives of the Department of Agriculture. The only reason ever given by Rusk or any other Secretary of Agriculture has been "lack of funds." A preliminary announcement of the work was Bulletin 56 of the Department, but the promised publication never came.

I began the breeding of varieties of grapes by selection and hybridization in 1880 and continued the work to the present time, tho with less vigor in recent years than formerly, and during the twenty-eight years germinated fully 75,000 hybrid seed out of which concourse of started varieties I have culled down to some sixty that have been introduced after a number of years of favorable fruiting with me. The most of these were bred for the South, as this section has been in greatest need, but some of them have made good records in the North, for example; this fall, Dr. J. L. Goodale, 258 Beacon Street, Boston, exhibited before the Massachusetts Horticultural Society, fruit of quite a number (eighteen) of my varieties grown by him, for which he was awarded the Society's medal, the only medal given on new varieties of grapes this year. The Doctor reports as doing well there the following: Manito, Headlight, Rommel, Wapanuka, Floeta, Hidalgo, Wine King, America.

In the South a number of my kinds have become standards.

Altogether I have planted here nine test and market vineyards, all of which have been profitable for their fruit

to say nothing of the value as tests and for propagation. Many unsatisfactory vines in each of these vineyards have been dug out and others put in their places until better satisfaction was secured.

I see I am encroaching too much on your space, ere the half of my grape work has been told, and I must draw this string of self-references to a close, by a brief mention of my latest piece of real hard work. It is my grape book, "Foundations of American Grape Culture," that I put together last year, after reviewing all my former work and writings on grapes, collating and revising and embellishing with near 90 full page, 7½x10 inches, life-size half tone engravings of foliage, fruit and wood of all American species and clusters of best varieties new and old so far produced and text enough to make such a large paged work book up to some 250 pages.



A familiar scene in the bulb growing region of Holland. (See DeGraaf article.)

I took the manuscript to New York in October, 1907, in search of publishers, but the "panic" was coming on and I found no publisher willing to undertake the job. Now, I have concluded with the assistance of my able son, Will B. Munson, to publish the book myself, if 1000 subscribers can be obtained.

The first edition will be an autograph edition, with good recent photo-engraving of the author. The printing will be on 100 pound coated book paper, bound in buckram, gold lettering on back and cover, costing delivered about what we ask for it, \$3. It is aimed to be and remain a classic on the subject.

It will be printed and bound by a first class house, well equipped for such work. Subscription blanks will be mailed to applicants.

Dr. L. H. Bailey has signified his willingness to write the Foreword for the book, which I greatly appreciate.

W. W. Thomas, "The Strawberryman," of Anna, Ills., says that his business for several seasons has been growing so very rapidly, and owing to the fact that the season just past has far exceeded any former year, he is compelled to increase his acreage to meet the growing demand for strawberry plants. This summer he expects to build an additional large and up-to-date packing house.

Mr. W. Van Kleef, Jr., of W. Van Kleef & Sons, Boskoop, Holland, called at the office of the NATIONAL NURSERYMAN early in May.



# PROGRAM THIRTY-FOURTH ANNUAL CONVENTION AMERICAN ASSOCIATION OF NURSERYMEN

**Hotel Seneca, Rochester, N. Y., June 9, 10, 11, 1909**

Much attention has been given to this matter of program by the officers of the association. The aim has been to make it possible to combine business and pleasure in reasonable proportions. To that end arrangements have been made for one session daily. The hope is that members will all attend these sessions which will be interesting and ample time is thus given for social and business intercourse as well as for the special features provided by the Entertainment Committees. It will be therefore a courtesy toward those who have been working hard on this convention if all will be promptly on hand for the regularly scheduled sessions and remain throughout.

WEDNESDAY, JUNE 9, 9 A. M.

Address of Welcome, Hon. H. H. EDGERTON, Mayor of Rochester.

Response, GEORGE S. JOSSELYN, Fredonia, N. Y.

President's Address, CHARLES J. BROWN, Rochester, N. Y.

Report of Secretary, GEORGE C. SEAGER, Rochester, N. Y.

Report of Treasurer, C. L. YATES, Rochester, N. Y.

The President will announce the meeting of the newly elected State Vice-Presidents to be held Wednesday evening at 8 P. M., Assembly Hall. During the day, (Wednesday), the members from each state are requested to get together and select their new vice-president, who will attend the Wednesday evening meeting which will consider the question of nominations and selection of place for next meeting in order to report on Thursday morning. In case but one representative from a state is in attendance he will please consider himself vice-president and attend the meeting.

Report of Tariff Committee, IRVING ROUSE, Rochester, N. Y.

"Nurserymen Pulling Together a Little More," J. H. DAYTON, Painesville, Ohio.

"What the Orchardist Expects from the Nurseryman," T. B. WILSON, Halls Corners, N. Y.

Report of Transportation Committee, F. H. STANNARD, Ottawa, Kans.

"Should Wholesale Protect Retail?" J. W. HILL, Des Moines, Ia.

"Evergreen Conifers" SAMUEL C. MOON, Morrisville, Pa.

Appointment of Special Committees.

WEDNESDAY, JUNE 9, AFTERNOON

A ride through Rochester streets and Parks as guests of Western New York Nurserymen.

Conveyances will be at the Hotel Seneca at two o'clock P. M. This is expected to be a most attractive feature of the convention. A band concert will be given in one of the

Parks. All nurserymen and representatives of allied industries with their wives, children, sweethearts or friends, invited. Give the Secretary names of your personal party early Wednesday morning so that proper arrangements can be made.

WEDNESDAY, JUNE 9, 8 P. M.

Meeting of State Vice-Presidents in assembly room to nominate officers and a place of meeting for the year, 1910.

THURSDAY, JUNE 10, 9 A. M.

Roll call of State Vice-Presidents

Report of State Vice-Presidents

Election of Officers

Selection of next place of meeting

"Our Department's Work," R. A. PEARSON, Commissioner of Agriculture, Albany, N. Y.

"The Science Point of View," Prof. L. H. BAILEY, Cornell University, Ithaca, N. Y.

This is the first time in several years it has been possible for Professor Bailey to be with the nurserymen. The Committee is gratified to have been able to arrange for this meeting.

"Commercial Peach Orchards," L. A. BERCKMANS, Augusta, Ga.

"The Experiment Station and the Fruit Interests," Dr. W. H. JORDAN, N. Y. Agricultural Station, Geneva, N. Y.

"Relations between the Grower and the Reliable Nurserymen," E. S. OSBORNE, Rochester, N. Y.

Report of Legislative Committee, WM. PITKIN, Rochester, N. Y.

Report of National Council of Horticulture Committee, C. J. MALOY, Rochester, N. Y.

Report of Exhibits Committee, T. B. MEEHAN, Dreshertown, Pa.

Report of Forestry Committee, J. W. HILL, Des Moines, Ia.

Report of Publicity Committee, J. M. IRVINE, St. Joseph, Mo.

Report of Committee on Co-operation with Entomologists, ORLANDO HARRISON, Berlin, Md.

THURSDAY, JUNE 10, AFTERNOON

At One o'clock, P. M.—Reception and lunch for Ladies at Genesee Valley Club as guests of the Western New York Nurserymen. A committee to escort the ladies will be in the Hotel lobby at 12:45, noon.

At two o'clock, P. M.—Annual meeting of American Protective Association, Thos. B. Meehan, Secretary, in the general assembly room.

(Concluded on page 178)



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Vice-President and Editor, . . . . . JOHN CRAIG  
Secretary-Treasurer and Business Manager, . . . . C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

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Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca N. Y.

*Entered in the Post Office at Rochester, as second-class matter.*

ROCHESTER, N. Y., JUNE, 1909.

## AMERICAN ASSOCIATION OF NURSERYMEN.

President—Charles J. Brown, president of Brown Bros. Co., Rochester; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.  
Executive Committee—J. H. Dayton, Painesville, O.; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.  
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Transportation—F. H. Stannard, Ottawa, Kansas.  
Tariff—Irving Rouse, Rochester, N. Y.  
Legislation—Wm. Pitkin, Rochester, N. Y.  
Co-operation with Entomologists—Hon. Orlando Harrison, Berlin, Md.  
Program—Jas. M. Pitkin, Newark, N. Y.  
Publicity—J. M. Irvine, St. Joseph, Mo.  
Exhibits—Thomas B. Meehan, Dreshertown, Pa.  
Arrangements—Geo. C. Seager, Rochester, N. Y.  
Editing Report—Geo. C. Seager, Rochester, N. Y.  
Entertainment—Wm. Pitkin, Rochester, N. Y.  
National Council of Horticulture—Chas. J. Maloy.

## STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.  
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.  
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.  
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.  
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.  
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.  
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.  
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.  
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.  
Pacific Coast Association of Nurserymen—President, C. Malmo, Seattle, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.  
Pennsylvania Nurserymen's Association—President, Thos. B. Meehan, Dreshertown, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.  
Southern Nurserymen's Association—President, Henry B. Chase, Huntsville, Ala.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.  
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.  
Texas Nurserymen's Association—President—J. B. Baker, Ft. Worth, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.  
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kans.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.

## REFRIGERATION EXPERIMENTS

Apple growers of the Northwest Pacific have been very much interested in the experiments in methods of preparing fruit for shipment by railroad to eastern markets, which have been carried on for some time in that region. It has been found that fruit which is thoroughly cooled before being placed in an iced car, will carry through to New York markets without the necessity for re-icing the car. Under ordinary circumstances and methods, refrigerator cars must be iced three or four times between the Pacific Coast points and St. Paul. In the case of a car shipped from Yakima, Wash., late in October, which had its fruit thoroughly cooled before placing in the car and which had been previously well iced, it came through in perfect condition and without requiring re-icing en route. This car started with 1000 pounds of ice in the bunkers and it reached New York with a considerable share of this ice unmelted and the fruit in excellent condition. This is quite in line with the experience of refrigerator experts who have studied the keeping of fruit and constantly advise the immediate cooling of the fruit on being taken from the tree.

## PECAN VALUES

In the December issue of *Nut Grower*, Mr. J. B. Wight of Georgia, presents an interesting article on pecan growing profits. In this article he deplors some of the methods which are being employed by Pecan companies in exploiting enterprises of this kind which have little actual foundation and less promise. He very properly says that there is no more reason for salting pecan companies than for salting gold mines.

As to an estimate of the value of pecan groves, he offers the following as in his judgment a fair standard, although of course these will vary very much with locality, kind of stock planted and character of treatment given. At the end of the first year he estimates that an acre of planted pecans is worth a hundred dollars, and that it will increase in value at the rate of \$50 per acre for twenty to twenty-five years. At the end of five years it will be worth \$300 per acre 10 years, \$550 per acre, and 15 years, \$800 per acre. "While varieties differ as to age at which they begin to bear, yet these may be safely put at from five to six years from the time the trees are transplanted."

Our judgment is that these figures are too low for the ten year old orchard. We think it would be very difficult to find an orchard properly cared for, planted with good grafted varieties, that could be bought for twice that amount. Apple orchards in Oregon and the west, which will in the nature of things be short lived as compared with the pecan, are selling at from \$1200 to \$2000 per acre, and exchanging hands quite rapidly. If this represents real value in the case of the apple, then our judgment is that the pecan should be rated somewhat on the same basis, and would certainly give a good return on an equal capitalization. There is no doubt that many of the claims made for pecan culture are absurd and extravagant, but so it can be said of apples, oranges and grapes. The whole question is one of management coupled with varieties and soil. It is true that we know less of the behavior of grafted pecans than we do of the



other orchard fruits propagated in the same way, but there is no reason to suppose that they will not respond equally well. Indeed, such information as experience has gathered, demonstrates this beyond reasonable doubt. Added to all the other good points is the natural life of the tree. It makes a great difference whether one may expect to replant his orchard in ten to twenty, thirty or forty years, or whether he establishes an enterprise which will last for a century or longer. This is a strong feature of the pecan and an argument which may very properly be used.

#### **LOW GRADE VERSUS HIGH GRADE FERTILIZERS**

A recent bulletin issued by the West Virginia Experiment Station, on the question of whether it is most economical to purchase low or high grade fertilizers, is of prime importance to nurserymen.

This bulletin asserts that "it is very poor business on anyone's part to invest in low grade fertilizers." As a business proposition the high grade fertilizer is always the most economical. Although it costs more, it is much cheaper. The author of the bulletin says:

"From the moment the raw materials leave the mine, the slaughterhouse or garbage dump until they are in the soil, the cost of handling is one of the heaviest items the farmer eventually has to meet. Such expenses are the same for a ton of fertilizer containing one per cent of plant food as for a ton of fertilizer containing two or more per cent. The average freight bill alone on fertilizers shipped into this state is over \$2.00 per ton. This, and a number of like bills could, of course, be cut in two by purchasing fertilizers containing double the amount of actual plant food. The cost of handling fertilizers from warehouses, cars, or boats to the farm is an item worth considering if only for wear and tear on horses and wagons. Why make two trips if one will do?"

Concentrated high-grade materials necessarily command a higher price, but the difference is not always proportional to the difference in actual plant food, the high-grade materials as a rule being cheaper, pound for pound of actual plant food.

The statement is illustrated by comparisons of high-grade and low-grade fertilizers, the analyses of which are reported in the bulletin. The authors say:

If purchasers of commercial fertilizers would only get into the habit of calculating the number of pounds of plant food in a ton of every fertilizer in which they are interested, they might often be surprised to note how much they might have saved on the quantities of plant food they have been purchasing, or how much more plant food they might have purchased for the same money.

But there is yet another and a better reason for using the concentrated fertilizers. It has to do with the fitness of the various sorts of fertilizer materials for supplying the needs of plants. As a rule that has but few exceptions, the more concentrated the materials from which the fertilizer is made the more suitable (or less objectionable) they are as food for plants.

It is pointed out that—

"Farmers will get concentrated fertilizers whenever they decline to accept the other kind. By purchasing concen-

trated fertilizers they will save on the cost of actual plant food and they will not get low-grade nitrogen and potash materials, for the simple reason that a concentrated fertilizer can hardly be compounded from low-grade materials."

#### **ORCHARD MANAGEMENT**

We have heard a good deal in the last five or six years in regard to different methods of managing the orchard soil. It is unquestionably true that more orchards are injured by neglect and the failure to institute any method whatever, than by the application of the system which is not the best. In other words, a poor system thoroughly adhered to, may give better results than the let-alone policy often pursued by owners of orchards.

The sod mulch system has been widely advertised and much discussed. The danger in following this method is that many people do not regard it as a system and do not appreciate the necessity of carrying it out rigidly. They are of the opinion that "any old method" which maintains a sod in the orchard answers the purpose. Now, as a matter of fact, this very point of view has been the means of destroying the profitableness of hundreds of orchards in New England and the East. The advocates of the mulch methods should make this point clear, namely, that these methods are bound to result in loss and deterioration of the orchard, unless as a system they are thoroughly conducted. A fundamental principle obtains here as well as under the cultural methods, namely, that food must be given the orchard; and that system which provides most food, either by releasing it from the soil, or bringing it in the form of stable or artificial fertilizer, to the ground, will in the long run give most satisfactory results.

The investigations of the Cornell Experiment Station in its orchard surveys and the recent experiments of the New York State Station at its trial grounds in Orleans County, reveal the fact that in the long run and under the average of circumstances, the cultural methods will give most growth, the largest amount of fruit and the greatest return in money. Notwithstanding the fact that apples under tillage are frequently less highly colored than those under sod mulch method conditions, yet the proof of the pudding in this case is the final returns; and the New York State Station has clearly demonstrated after a five-years test that at least on clay loam in Western New York, tillage is more profitable than sod mulch. It remains to be said that in certain conditions sod mulch is the only feasible method, and therefore, where it is a case of this system or no apples, then of course the inevitable must be accepted. In doing this, it does not follow that the grower will not receive profit from his labors; but it does mean that where tillage methods are possible, they usually bring larger returns than any system of sod culture which has been tested thus far.

A certain notable gathering occurs in some city of the union each year. We refer to the meeting of the American Civic Association. The purpose of this organization is to consider ways and means of improving conditions of living in cities, towns and villages. The motives underlying this organization are

#### **THE NURSERYMAN AND CIVIC IMPROVEMENT**



really broader than this, as it deals with problems of country living, as well as those of the village and town. The association is composed of men and women who give their time to these problems without recompense, and the organization is entirely supported by men who are unselfishly giving of their means and energies to the promotion of the cause. The officers of the society are: J. Horace McFarland, Harrisburg, president; R. B. Watrous, Harrisburg, secretary; and the advisory board is made up of prominent men of the east and west.

The subjects dealt with at recent conventions are numerous and important. All the problems connected with city living, including sanitation, the æsthetics of the parks and streets, receive consideration. Broad questions like the preservation of national parks, places of public interest, as Niagara Falls and the mountain parks of the west, are objects of solicitude on the part of the Association. The dissemination of information regarding the organization and work of local associations and a general propagandist movement in reference to the improvement of living conditions in city and country, are leading parts of the daily work of the Association during the year. Trees and plants are the decorative material furnished by nature. The nurseryman propagates these. He improves them. The plantsman then should make it a point to inform himself on the work of the Association, and do what he can to promote civic improvement at home and abroad. This may not be entirely unselfish work, but at all events it is good work under any motive.

*Program Thirty-fourth Annual Convention American Association of Nurserymen*

(Concluded from page 175)

At three o'clock, P. M.—Annual meeting of the Retail Nurserymen's Association, Guy A. Bryant, Secretary, in the general assembly room.

THURSDAY, JUNE 10, EVENING

For the Ladies.—Theatre party at the Lyceum Theatre adjoining the hotel, as guests of the Western New York Nurserymen. Members will kindly give names of their ladies to the Secretary by noon, Thursday, so arrangements can be made; also call on Secretary for ladies' tickets by 6 P. M., Thursday.

SMOKER

For the Men.—As guests of the Western New York Nurserymen, in the Masonic Temple auditorium, at eight, P. M. "Something doing every minute" is the promise of those in charge.

FRIDAY, JUNE 11, 9 A. M.

Unfinished business  
Special orders, if any  
Final Resolutions.

It has been thought wise to leave Friday as much open as possible in order to give the nurserymen opportunity for business intercourse, for looking over the exhibits, visiting nurseries, etc.

## Correspondence

### A REGRETFUL ABSENTEE

EDITOR NATIONAL NURSERYMAN,

I do not know of any one from Oklahoma who will attend the convention this year.

It has been and is now, one of my greatest desires to attend the convention at Rochester, but the surrounding conditions are such that it looks now as if I will not have the pleasure of meeting with those whom I love to associate.

Since being a member of the convention, I have not missed a meeting, but this year the extreme illness of my wife will no doubt prevent my attending.

Should I be prevented by this misfortune, I want to be recorded as being present in feeling, at least. And I want my Brother Nurserymen to know that I do sincerely regret my inability to meet with them, and extend a hope that each and every one may find the meeting all that could be hoped for—a pleasant and profitable one.

Enid, Okla.

J. A. LOPEMAN.

### SOME NOTES FROM NEBRASKA EXPERIMENT STATION AT YORK

#### RAISING EVERGREENS.

The ponderosa or Bull pine is wonderfully adapted to the semiarid regions of Western Kansas and Nebraska. This is grown from seed in the open, just as you would raise beets or onions. We have sent seed to the Nebraska Sand Hills, to the Dakotas, Minnesota and Manitoba, and have most cheering results. One man in Manitoba got 4,000 from half a pound.

Other evergreens, however, especially those with pin seeds like pungens and Engleman, cannot be made to grow to any advantage in Nebraska from seed, so we have joined a nursery in the Black Hills, where we plant 100 pounds of Rocky Mountain seeds and we have another interest in Central Minnesota, where we have beds dug up in Hazelbrush, and the seeds are covered with leaf mould, and the results are most gratifying.

Yours,

C. S. HARRISON.

#### ROME BEAUTY.

"Middle West" fears that the light of this kind has been hidden under a bushel and wants to know all the strong points in its favor. It is the weak links that measure the strength of a chain, so here goes from that view point. Some forty-five to fifty-five years ago, my brother had this apple from Southern Ohio and top grafted a vigorous tree. It was then known as Gillett. It was planted in all our orchards up to 1884 and not after that. The tree is tender and the frost of January 4th, of that year left not a sound one in nursery row nor a vital one in our orchards. The severe cold of February 13th, 1899, cleaned us just as effectually. There are lots of people in Kentucky, that know these facts and no Rome Beauty for them.



Rome Beauty is shallow rooted. The digger men before the tree plow come, might shy on Baldwin, Stark, Spy, but not on Rome Beauty. This tells the story. It originated on alluvium and on the light, shallow soils of Eastern Kentucky, and parts of Tennessee, Virginia, and West Virginia, men who know what they do want, call for this and nothing else. On our soil the fruit on young trees is fine. The tree with age overbears one year and the next not one apple. Then no kind can turn out as much off color and off size stock as this. Let the planter study the questions of soil and hardy wood before he pins too much faith on this variety.

H. F. HILLENMEYER.

## Doings of Societies

### SOUTHERN NURSERYMAN'S ASSOCIATION

The eleventh annual meeting of this live organization will be held in Huntsville, Alabama, August 18th, 19th and 20th. The meetings are planned for one short, quick-action session each day, the balance of the time to be put in visiting the various nurseries around Huntsville. It is whispered that an old-time barbecue is in prospect, a big attendance is expected. The officers are now preparing the program.

New officers elected last year at the Atlanta meeting are as follows:—President, Henry B. Chase, Huntsville, Ala.; vice-president, J. C. Miller, Rome, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.

The cost of membership in this Association is but \$2.00 annually; every nurseryman in the Southern states should be a member. Send a \$2.00 remittance to A. I. Smith, Knoxville, Tenn., who will most artistically engross your name on the membership roll. Every two-dollar remittance that reaches Mr. Smith makes him open up a smile that would make you laugh—lack of them gives him the double X grouch. A perpetual smile seems to be assured to him this year.

A goodly number of nurserymen from the North and West are expected and indications are for the largest attendance of Southern nurserymen ever assembled. No territorial restrictions on membership; Yankee money taken at par; better fix Mr. Smith now before it slips your mind.

### GEORGIA-FLORIDA NUT GROWERS' ASSOCIATION

The Georgia-Florida Nut Growers' Association met at Cairo, Ga., May 19 and 20, 1909.

The following papers were read:

Address of President, W. C. JONES; Fertilizing the Pecan, HERBERT C. WHITE, Albany, Ga.; General Outlook for the Pecan Industry, H. K. MILLER, Monticello, Fla.; The Cost of a Pecan Grove, Dr. J. F. WILSON, Poulan, Ga. What I have Seen and Learned about Pecans, C. A. REED, Washington, D. C.

The meeting concluded with a tour of nurseries and orchards in the vicinity.

W. C. JONES, President, Cairo, Ga.

R. C. SIMPSON, Sec'y., Monticello, Fla.



The Peony, one of the specialties of DeGraaff Brothers, Leiden, Holland.

### PACIFIC COAST ASSOCIATION OF NURSERYMEN

NATIONAL NURSERYMAN,

Gentlemen:—The next meeting of the Pacific Coast Association of Nurserymen will be held in Seattle, Wash., on July 14th, that date being Nurserymen's Day at the Alaska-Yukon-Pacific Exposition. The Management of the Exposition extends a welcome not only to members of our Association but to those engaged in the business from all parts of the United States. The program is now under preparation, and full particulars will be sent out, we trust, in time for your June issue. We are expecting a large attendance.

Very truly,

C. A. TONNESON, Sec'y. Treas.

### AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS

The next annual meeting of this Society will be held in Seattle, Washington, August 9-11th.

### AMERICAN PEONY SOCIETY

The annual meeting of the American Peony Society will be held at the Cottage Gardens Nursery, Queens, L. I. New York, on Friday and Saturday, June 11-12, 1909.

A. H. FEWKES, Secy.

Newton Highlands, Mass.



## Note and Comment

### BOXED APPLES

The trade in this kind of apple package is increasing rapidly each year. Only a short time since, in fact not more than three or four years ago, the box package was something which excited curiosity more than serious attention. A recent despatch from Chicago states that one firm sold during the second week of November, 650 cars of apples, all packed in boxes. These, of course, came from the newer apple growing regions of the west, where the box package is almost exclusively used.

No longer can Australia and New Zealand claim a monopoly of the box package. It has come to American trade and has come to stay.

### COST OF CLEARING LOGGED-OFF-LAND IN THE PACIFIC NORTH-WEST

Circular No. 25 of the Bureau of Plant Industry gives the cost of preparing cut over timber land for farming purposes in the Pacific North-west. This means land which once was occupied by forest trees which were removed, leaving stumps and a certain amount of small growth. The bulletin gives details in regard to the best manner of removing stumps, using either explosives or machinery; and the averages based upon many figures which accurately show the cost of preparing this land for planting either in farm or orchard crops form an interesting exhibit. One table shows that a company equipped with the best machinery and the fullest information as to methods, cleared 120 acres of land occupied with stumps from one to four feet in diameter and some small undergrowth at a cost of \$1,170.77, or an average of slightly over 30 cents per stump. Other figures by various growers indicate that it costs all the way from \$90.00 to \$218.00 per acre for clearing land of this kind; while in the case of green timber the cost may run as high as \$350. The writer of the bulletin says that "From the foregoing tables of the cost of clearing land it will be seen that it is only very rich land, or that which is near the centers of population that will at the present time pay interest on the capital invested to put it under cultivation."

### CULTIVATION OF NURSERY STOCK

C. M. HOBBS

What I have to say on this subject will be confined to my experience with the rather heavy clay soils of Central Indiana.

We have three well-defined purposes in cultivation: The destruction of weeds, the liberation of plant food and the conservation of moisture. The tools that will the most cheaply and effectively accomplish these ends on our soils and under our conditions are the ones for us to use. In our practice we have relied mainly on the two-horse congueless walking cultivator. With a high arch we are able to cultivate two and three year stock with these. We follow the cultivator in dry weather with either a single or double drag, well weighted, thoroughly pulverizing the surface. This process is kept up about every ten days through the

season. It is our purpose after a heavy shower to break the crust that may have formed and restore the dust mulch conditions as quickly as possible, thus preventing the loss of moisture by capillary action.

For those who may not know of the double drag, I will say that it is made by attaching drags to the inside feet of a double cultivator. We drag both sides of the row at once, the same as in cultivating; the drags are under control by the handles; we can get closer to the rows and all the ground between the rows is dragged.

The best method for keeping stock clean in the rows, as far as we know, is either with the disc plow, set to throw the dirt from the row or mouldboards attached to the inside feet of the two-horse cultivator, or in larger stock we use the pony bar plow running the bar as close to the row as we well can, leaving as narrow a ridge as possible between the plants. This plowing is immediately followed by a gang of boys that cost from 50c to 75c each, per day, with sharp triangular steel scratchers with convenient handles. These boys will do more work in a day—and do it much better—than men with hoes at double the wages.

The first cultivation of two and three year stock in the spring is sometimes a pretty serious problem, especially if the weather be dry and the ground hard. In this case, I think we have found our one horse mouldboard plow to be the best tool to use, first throwing the dirt to the row and splitting the middle with a double shovel or one-horse cultivator, following this with the drag.

We have found a disc cultivator to work well sometimes in hard ground, cutting an inch or so deep, following with a drag and letting it lie a few days, then go deeper with a cultivator.

I have no disposition to enter into a discussion of the comparative merits of the various cultivators, harrows, etc. The effectiveness of these is largely dependent upon the size of the stock, the character of the soil and the man behind the plow.

### BLUEBERRIES IN NOVA SCOTIA

Consul Alfred J. Fleming furnishes the following report on the cultivation of blueberries in Nova Scotia, and their shipment from Yarmouth:

In addition to thousands of dollars worth of fish, dried, canned, pickled and fresh, and the vast quantities of lobster and lumber products, with 10,000 or 20,000 barrels of apples every year, all of which are exported to the United States from this port, there is one item of no mean proportions and that is blueberries. These berries are wild here and very abundant. The season really began July 18 and practically closed September 28, extending a trifle over two months, and during that time, by official returns received from the Yarmouth custom's office, there were exported from this part the enormous quantity of 24,210 crates of blueberries, and these were worth, as given by the same authority the handsome sum of \$53,806. In other words, as most of these berries went to Boston, \$53,806 of Boston money found its way back to Nova Scotia and practically the Yarmouth territory. As these shipments were all in small lots, under \$100 each, no consular services were needed. It is



said that last year was the banner year, the yield being very large and the berry of a very superior quality and flavor. The amount of money stated found its way into the pockets of the poor people who shipped in small quantities.

## Fruit and Plant Notes

### GRAPES OF THE CANADIAN REGION

Among the varieties which have been originated in Canada, some of them the results of special effort by expert plant breeders, are Brant, Canada, Moyer, Kensington, Burnet, Jessica and Northern Light. Of all these, perhaps Kensington is the finest in quality. It is a white grape, the result of a cross between Clinton and Buckland's Sweetwater by Dr. William Saunders, made at London, Ontario, twenty-five or thirty years ago. The vine is vigorous, fairly productive, bunch large, berry medium size, of excellent quality. The season is somewhat later than Niagara and therefore of value only where that variety can be ripened with certainty. Seedlings of Kensington ought to be worth growing.

### STORING LOW GRADE APPLES

The following from the *Canadian Horticulturist* refers to an incident in the apple trade of Ontario of 1907-8. This thing is not likely to occur again in that region but not at all unlikely to reappear in other sections.

"Last season's experience showed dealers that the shipping of 'No. 3' grade apples or 'Culls' with the hope of making a profit is little short of madness. There were stored in Colborne, Brighton and Trenton last year for the purpose of re-packing, 100,000 barrels of absolute trash. It has been shown that if this large amount had been given to the dealers *free of cost* they would even then have lost money by handling it. And this was not the only effect. The placing of this large quantity of disreputable stuff on the market had the tendency of reducing the price of the 'No. 2' grade, perhaps half a dollar a barrel.

"There are two ways in which the grower can meet the 'cull' proposition. First, reduce the proportion of 'culls' in his apple crop by taking proper care of his orchard; and secondly, take those that he may have to the evaporator, the canning factory, or the cider mill, where they belong."

### ENSEE APPLE

Pomologist W. A. Taylor describes this variety in his article on Promising New Plants in the 1907 Year Book. He says that it originated as a chance seedling "near a place where cider had been made in earlier years on the farm of the late Nelson Cox, Windsor Township, Lawrence County, Ohio." The tree is said to be upright in growth and characterized by pale colored bark. The following description is given of this variety by Mr. Taylor.

"Form roundish, oblate; size large; surface rather smooth, undulating; color pale yellow washed with mixed red, splashed and brokenly striped with bright crimson, frequently overspread with gray; dots variable, some russeted and aureole, many of those near the apex being indented; cavity irregular, large, deep, abrupt, russeted, and sometimes lipped; stem short moderately stout; basin deep, abrupt, furrowed, downy, calyx segments small, converging, reflexed at tip; eye small, nearly closed; skin thick, tenacious; core of medium size, roundish, clasping, open; seeds numerous, of medium size, plump; flavor subacid, rich; quality very good. Season late autumn and early winter in Lawrence County, Ohio, keeping well in cold storage. This variety is apparently deserving of test throughout the Middle States and the irrigated valleys of the West, as it is an apple of large size and fine quality, adapted to home use and special markets."

### NATIVE PERSIMMONS

Each year sees notable advancement in the improvement of native fruits. In Missouri and Indiana, we find every now and then

a variety of the native persimmon which appears to be a great improvement on anything we have. The Ruby Persimmon is an example of this type. The division of pomology of the Department of Agriculture at Washington has investigated this variety and presents a history and description in its 1907 report. Inasmuch as the Japanese Persimmons have a limited range of adaptability in this country the improvement of the native persimmon is a work of great importance. Among the enthusiasts in persimmon culture was the late Judge Samuel Miller of Bluffton, Mo. Col. Evans of the same state for many years prominent in horticultural circles has also been a persimmon specialist. But one of the most desirable varieties seems to have been disseminated by the late James E. Little of Cartersburg, Ind., under the name of the Ruby Persimmon. It has been reported as succeeding in Hendricks County, Ind., at Farmingdale, Ill., and at other points. There is unquestionably a field for improved native persimmons and we shall undoubtedly have them in the near future.

### SPRAYING FOR CURCULIO IN CANADA

The standard means of combating curculio injury in Canada is spraying with some form of arsenic. Ontario plum growers are using arsenate of lead. Maritime Province growers are using Paris Green and arsenate of lead generally while a few are spraying. Occasionally the dilute Bordeaux mixture is used with some form of arsenite but when this is done it is always desirable to be sure that the formula is right. The following recommendations for treatment for curculio on plums are made by the Entomologist for the Dominion Experimental Farms at Ottawa, Canada.

"The above are a very few quotations from many decided letters on this subject; and, although a few of my correspondents still adhere to the old-fashioned remedy of jarring, spraying is so effective that these are becoming fewer every year. The remedies recommended by this Division are: (1). Spraying the trees with the 4-4-40 poisoned Bordeaux mixture very early in the season, directly the fruit is set. This destroys the beetles, which for some time feed upon the buds and opening leaves of plum trees. The second spraying, with poisoned Bordeaux mixture, should be made when the plums are about as large as peas. This will coat the young fruit so that the beetles are destroyed when they feed on the fruit or cut the crescents for egg-laying. (2). The destruction of all wind-falls or injured fruit that drops, so as to clear away all fruit before the larvæ emerge and enter the ground to pupate. Poultry, pigs and sheep help well in this work. (3). The ploughing up and cultivation of orchards so as to remove grass and other vegetation which, besides weakening the trees, gives places for the insects to hide in. The depth at which the larvæ pupate, is about an inch beneath the surface, and the pupation in this part of Canada takes place during July: therefore, cultivation during that month will destroy many of the pupæ, and this has been found the remedy which has given the best results in old orchards which had been in soil for many years and in which the fruit had been seriously injured year after year.

The jarring of plum trees, which is much written about and highly recommended, will certainly destroy many of the beetles, but costs too much for labour when compared with spraying with insecticides, which give more certain results in my experience."

### LEAF BLISTER MITE

Quite a variety of experiences were offered at a late meeting of the New York State Fruit Growers on the best means of controlling the leaf blister mite, an insect which has recently invaded the apple orchards of western New York to a considerable extent. Some fruit growers were strongly in favor of using kerosene emulsion, while others pinned their faith to the lime-sulphur wash. The whole thing simmered down finally to the conclusion that either of the mixtures was effective, but only in proportion as the time for applying them was appropriate, and as the work was done with thoroughness. The best time for spraying with kerosene emulsion appeared to be just as the buds were swelling; if lime and sulphur is used, it is desirable to apply it a little earlier.



## Business Movements

Mr. Wm. Satter, of Ebbinge & Van Graas, Boskoop, Holland, called at the office of the NATIONAL NURSERYMAN the first part of May. He also visited nurserymen in Rochester and Western New York.

J. W. Manning, of the Reading Nurseries, at Reading, Mass., is planting fifty acres of additional area this spring. These nurseries are in the fifty-fifth year of their existence, and have developed rapidly during the last three or four years.—*Exchange*.

John E. Dwyer, formerly manager of the Burr nursery, in Manchester, Conn., has leased four acres of land on Strickland Place, in that city, and is constructing a nursery plant.—*Ex.*

H. Frank Darrow reports that Philippe de Vilmorin, of Vilmorin, Andrieux & Co., Paris, France, has been recently appointed by the French government a councilor of the foreign commerce of France.—*Ex.*

A miscreant cut and slashed a large amount of stock at W. H. Wyman's Bay State Nurseries, North Abington, Mass., April 26.—*Ex.*

"An ambrosial tree Eden's exotic somehow smuggled in to keep the thorns and thistle company."—*Whittier*.

## Correspondence

### NURSERY INSPECTION IMPORTANT

EDITOR NATIONAL NURSERYMAN,

Dear Sir:—I noted with regret the attitude toward "Nursery Inspection" as expressed in your May issue and must conclude that the writer did not realize the full import of his words.

We, in this state, can demonstrate, with facts and figures, the value of inspection of both orchards and nurseries. Our fruit growers and others who grow only a few trees for the family garden are well pleased with the results and are constantly expressing themselves along this line, both personally and by correspondence. They appear to believe thoroughly in the principle involved.

The writer does not care to enter into a general discussion of this subject but does wish to call attention to a few important facts. One of the most important points is, that there are many troubles other than San Jose scale, and that there are large sections of the country where many orchards are free from this insect. A reasonable effort should be put forth to prevent the spread of these serious troubles.

Your correspondent states: "Have we not arrived at the time when each grower must attack his individual problem himself? He should know what he wants in nursery stock and know how to care for it after it is planted. The nurserymen supplying poor stock will soon be weeded out by a process of natural selection."

Why have our pure food and drug laws, fertilizer inspection laws, etc., etc., developed? Simply because when one purchases goods one wants to be assured that it is not adulterated, that the article is what it purports to be and neither the small nor the large user of materials can protect himself from a few unscrupulous dealers.

If we agree to your correspondent's views, it means that our whole fabric of inspection for whatever purpose collapses. If there are cases where the inspection is but a form, the method of procedure should be to improve the inspection. The grower "Supplying poor stock" and diseased stock instead of being weeded out by his system, is in many cases, where inspection is not thorough, better able to go on with his business, especially by changing his field of operations from time to time, than the reputable nurseryman. He can pick up the poor stock at very small prices and in that way make a better profit than the firm which handles only good stuff. It must be conceded by all, that thorough inspection, not the kind that is "Little more than a form" is greatly to the advantage of the reputable nurseryman and to the disadvantage of those who are irresponsible. There can be no reason why the best nurserymen should not be fully in sympathy with conservative inspection work, carried on with the

view of protecting the interests of both the nurserymen and the grower of fruits.

J. L. PHILLIPS,  
*State Entomologist.*

### HOW THE FRENCH CROPS LOOK TO AN AMERICAN

Mr. J. McHutchison of McHutchison & Co., 17 Murray St., New York, is making his annual tour of European nurseries and sends us the following interesting note on the condition and outlook of French crops. Mr. McHutchison writes from Angers, and says:

The nurserymen around Angers have made an average plant. Apples will be more plentiful than last year, but they are suffering a severe drought at present. There has been no rain for four weeks, just when they need it most to start off the seedlings and transplanted stock.

All available means are being used for watering the seedlings and transplanted stock. This is of course, done by hand with watering pots handicaps further transplanting—already much delayed by a long, severe winter.

The French nurserymen are naturally much alarmed, but a little of the rain in their section that has been falling for weeks past in Holland, Germany, Belgium and Eastern France will change everything and brighten crop prospects considerably.

Coming down on the train, I noticed many fields of wheat and rye turning yellow for want of rain.

All exports from reliable nurserymen will be entirely free of browntail-moth the coming season. Indeed, had the French nurserymen received any adequate warning that this moth was a serious pest with us, steps would have been taken to prevent the trouble we had this spring.

It is sincerely to be hoped that the new Federal law which is to be formulated this summer will not further hinder shipments from reaching destination promptly.

J. McHUTCHISON.

## Obituary

### GARRETT E. RYCKMAN

It is with deep regret that we announce to you the death of a prominent member of this Association, Mr. Garrett E. Ryckman, who died at Melbourne Beach, Florida, on Sunday, April 18th.

Mr. Ryckman was one of the pioneers of the American wine industry. He was born in Brocton, N. Y., in 1835, and his work began in 1854, when he first made a small quantity of wine. In 1859, with his two associates he built the Brocton Wine Cellars, and thus for 50 years he has been actively identified with viticulture and the wine business.

Mr. Ryckman was one of the organizers of this Association, being present at the first meeting. He was deeply interested in the work of this Association which, he believed, to be of great value in promoting the wine trade, and in making American wines better and more widely known and appreciated.

Mr. Ryckman was a fine type of an honest and straightforward business man. He was a liberal and public spirited citizen and highly esteemed in the community in which he lived so long. We feel that our industry has lost a good man.

The Executive Committee, and the members of this Association will take suitable notice of our loss at the next meeting.

Respectfully yours,  
W. E. HILDRETH, *President*,  
L. J. VANCE, *Secretary*,  
*American Wine Growers' Association.*

### HUGH A. HILL

We regret to learn of the death of Hugh A. Hill, brother of J. W. Hill, which occurred at Corpus Christie, Tex., from heart trouble on March 18th.

Hugh was a young man, being born in Salisbury, N. C., in 1874, came to Des Moines fifteen years ago and for ten years served as



cashier of the Iowa Loan & Trust Co., of this city, but for the past five years was secretary of the Des Moines Nursery Company.

He was a popular young man of exemplary habits, high personal integrity, led a useful life and was highly esteemed by the business men of this city. His death of course, is a great loss to Mr. Hill and the Des Moines Nursery Company and brings to an untimely end a bright future which lay before him. He died from heart trouble superinduced by rheumatism.

## Quiz Column

EDITOR NATIONAL NURSERYMAN,

We desire to construct a tree cellar and would be pleased to have any information you can give us.

A site we would like to use is in a side hill where the road approaching our nursery runs through a ravine. On this site we could build a two story structure, the lower being a tree cellar and the upper a tool house and storage house with entrance on level of our grounds while floor of cellar would be on the same level as road approaching the nursery. Our north and west sides of cellar would be entirely underground but our south and east would be all above ground. Would you consider such a location as good?

Soil in this location, in bottom of cellar will be clay and possibly a little damp. Should it be fully tiled and possibly filled in a foot or so with other dirt?

We have thought of building with underground walls of stone and the exposed walls a foot thick of hollow blocks with three air spaces therein; what do you think of it?

Would be glad of any information as to construction, ventilation and management of such a cellar.

We are very ignorant of the subject, and are finding it almost impossible to fill all our spring orders without a cellar for storing of fall dug stock.

However, on general principles we do not like a large portion of the cellar stock. It seems to make it tender; the roots frequently seem to be rather on the dry side, lots of it shows some mold and smells musty and the number of broken tops and chafed limbs in cellar stock which we buy is a great deal larger than on freshly dug stock. A portion of these troubles, and possibly all of them, are caused by carelessness. We should like to construct a cellar that will hold stock right and then secure information that will enable us to do it.

NORTHERN IOWA.

PRELIMINARY ANSWER—We would refer you for information on storage cellars to the last report of the American Association of Nurserymen. In this report, Mr. Underwood, of the Jewell Nursery Company, had an excellent paper on the construction of cellars.

We shall refer this letter to some of our well-posted correspondents and ask for suggestions. In the meantime we beg to offer the following from our own standpoint:

1. The cellar, if constructed on a side hill, should certainly be thoroughly tiled. If tiled for a foot or more below the level of the floor we do not think it will be necessary to fill in with any other material than the natural clay.

2. We do not see why your method of building the walls above ground with hollow blocks would not be satisfactory. In your locality it would be largely a question of excluding cold. You will certainly need at least two air spaces and probably three. Concrete or hollow blocks should serve the purpose.

3. Ventilation must be provided and this should start at the level of the floor with exits above the roof line. These ventilators should have shut-offs so that they may be opened or closed by operating slides from within.

In general, we think you are wise in planning to install this storage cellar. It will certainly greatly facilitate your nursery work.

Let us hear from those who have had experience.

NATIONAL NURSERYMAN.

## GERMAN FORESTS

Nearly one-fourth of the surface of the entire German Empire is covered with forests (about 48,000 square miles), more than one-sixth (38,000 square miles) being occupied by what the Germans call "hochwald," that is, forests of full-grown trees.

The area occupied by trees of the pine family is more than three times as great as that occupied by all the varieties of deciduous trees combined. Of the 5,658,000 acres of deciduous trees, 1,172,000 acres are oak, 467,000 acres are birch, alder, and aspen, and 4,019,000 acres are beech, etc. Of the 18,495,000 acres of needle-leaved trees, 12,327,000 acres are pine, 29,000 acres are larch, 5,482,000 acres are red fir, and 657,000 acres are white fir.

About two and one-half per cent. of this "hochwald" is owned by the Crown, nearly 40 per cent. by the State, 15 per cent. by municipal governments, and about 40 per cent. by private persons.

The entire area devoted to forests is today nearly 200,000 acres greater than it was twenty years ago. Between 1883 and 1900, the decrease in the area of forests of deciduous trees amounted to 567,000 acres, while the gain in extent of the forests of pines, larches and firs was 760,000 acres.—*Consul-General Reports*.

## FRUIT BOXES FOR SOUTH AFRICA

Boxes intended for the South African markets for the fruits specified should be of the following dimensions:

Pears and apples.—Length, 21½ inches; width, 12 inches; depth, 5½ inches; sides, 4½ by ¾ by 21½ inches; ends, 4½ by ¾ by 12 inches.

Apricots, peaches and nectarines.—Length, 21½ inches; width, 13 inches; depth, 4 inches; sides, 3 by ¾ by 21½ inches.

Plums.—A box half the length of above with a depth of 5 inches.

Mixed fruits.—18 by 12 by 5 inches; sides, 4 by ¼ by 18 inches; ends, 4 by ¾, by 11½ inches.—Joseph E. Proffit, Consul, Pretoria, Transvaal, Oct. 5th., 1904.—*Daily Consular Reports*.

## CATALOGUE RECEIVED

Price List of Best Indian Seeds and Ornamental plants, fruit trees, bulbs, orchids and roses of the Medical Nursery, Calcutta, India: An exceedingly interesting catalogue of plants grown primarily for medicinal purposes. Names are given in native Indian script and English. The medicinal values of most of the plants are mentioned. In introducing the general subject of fruits and vegetables, the catalogue says: "Vegetables should not be used abnormal or out of season. It is then never good and may be unwholesome. Vegetables manured with night soil, blood, meat or other animal products should never be used. For vegetables, old cow dung is the best manure available."

Some of the specific qualities credited to herbs are most interesting, as for instance, Kanthal (*Artocarpus integrifolius*), very nourishing; induces secretion of liver and fairness of complexion." The catalogue reads like an echo of some of the old herbals of two centuries ago.

Winfield Nursery Co., Winfield, Kansas. Wholesale Count List, No. 1.

W. B. Cole, Painesville, Ohio, Special surplus price list to nurserymen only.

The Friend Mfg. Co., Gasport, N. Y. Catalogue illustrating the Friend Spraying outfits.

Forest Nursery & Seed Co., J. H. Boyd, Proprietor, R. F. D. 2, McMinnville, Tenn. Wholesale trade list, Spring, 1909.

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ESTABLISHED 1885

**W. F. HUMPHREY**  
**Publisher, Printer, Binder, Ruler**  
**and Blank Book Manufacturer**

MAKER OF  
**Nursery Catalogues, Trade Lists, Etc.**

Send for Sample Stock Catalogue

3 LINDEN STREET,

GENEVA, N. Y.

THE NATIONAL NURSERYMAN  
PUBLISHED MONTHLY BY THE  
NATIONAL NURSERYMAN PUB-  
LISHING CO., 218 LIVINGSTON  
BUILDING, ROCHESTER, N. Y.

35TH YEAR

**Pan Handle Nurseries**

WE OFFER A COMPLETE ASSORTMENT OF NURSERY  
STOCK CONSISTING OF

Apple	Poplar Carolina	Ampelopsis
Pear	Poplar Volga	Roses
Plum	Elm American	Evergreens
Cherry	Sycamores	California Privet
Peach	Mountain Ash	Buxus
Grape	Althea	Weeping Trees
Currant	Hydrangea	Catalpa Seedlings
Gooseberry	Barberries	Black Locust "
Small Fruits	Syringae	Fruit Tree "
Maple Norway	Clematis	Catalpa Speciosa Seed.
Maple Schwedlers	Honey Suckle	Etc., Etc., Etc.
Maple Silver	Wistaria	

Our stock is well grown and graded. Prices are such that it will pay to  
investigate. Come and see us or write.

**J. K. HENBY & SON**

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**Latest Discovery**

Progressive Growers Investigate

32 page Booklet of  
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177 ILLINOIS STREET

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## Fine, Thrifty Western Grown Stock in Storage

SHIPMENT ON DAY ORDERED.

Two year old Cherry on Mahaleb  $\frac{5}{8}$  inch,  $\frac{1}{2}$  inch, and 3 to 4 feet. Very choice. Grown on Winfield Mahaleb.

Bartlett and Beurre d'Anjou Pear, one year old, 364 and 4-5 feet.

### OSAGE HEDGE.

370,000 No. 1

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### LINNAEUS RHUBARB.

4,000 No. 1 two yr.

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### HONEY LOCUST.

9,000 18 to 24 inch

22,000 6 to 12 inch

32,000 12 to 18 "

5,000 4 to 6 "

### BOX ELDER, ASH AND ELM SEEDLINGS IN SMALL GRADES.

The following list of Shade Trees on leased ground will be sold or burned.

Kind	Caliper Inch	Height Feet	Kind	Caliper Inch	Height Feet
100 (Sycamore)	1 $\frac{1}{4}$	10-12	100 Box Elder	1 $\frac{1}{2}$	10-12
100 "	1	8-10	200 "	$\frac{3}{4}$ -1	6-8
150 "	$\frac{3}{4}$	6-8	165 Elm	1-1 $\frac{1}{2}$	10-14
480 Ash	1 $\frac{1}{4}$ -1 $\frac{1}{2}$	10-12	800 "	$\frac{3}{4}$ -1	6-8
350 "	$\frac{3}{4}$ -1	6-8	600 "	$\frac{3}{4}$	5-8
190 Blk. Locust	1 $\frac{1}{2}$ -2	15 up	200 Spec. Catal.	2	12-14
50 "	1	12-15	100 "	1 $\frac{1}{2}$	10-12
50 Honey Locust	2	12-15	165 Jap.	2	10-12
60 "	1 $\frac{1}{2}$	10-12	160 "	1 $\frac{1}{2}$	10-12
20 "	1	8-10	65 "	1 $\frac{1}{4}$	8-10
150 Box Elder	3	15-18	100 "	1	8-10
300 "	2	12-15			

## The Winfield Nursery Co.

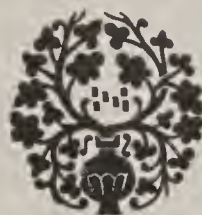
(Incorporated) WINFIELD, KANSAS.

J. MONCRIEF, Pres. E. S. MONCRIEF, Vice-Pres. R. I. LEMON, Sec'y-Treas

# B. E. Fields & Son

## FREMONT NURSERIES

Fremont, Neb.



## Growers of a General Line of Nursery Stock

## WANTED!

### Nursery Foreman

Permanent position for right party. Must be well up on growing high grade ornamentals and a good handler of men.

### Landscape Foreman

Experienced in carrying out landscape work and familiar with ornamental stock.

## The Elm City Nursery Co.

NEW HAVEN, CONN.

## Orange Trees, Citrus Trifoliata

BOTH HOME GROWN AND IMPORTED.

Write for Catalog and Prices

## Alvin Japanese Nursery, HOUSTON TEXAS

## WANTED==5,000 Plum Stock

Address, GEORGE R. ELLIOTT

239 Fourth Avenue, PITTSBURG, PA.

## Franklin Davis Nursery Co.

Baltimore, Maryland

We offer for Fall 1909 and Spring 1910---

Apple, 1 and 2 year, leading varieties.  
Pear, Standard, Keiffer, Blight Proof, Koonce, Garber, Etc., Etc.

Peach, 1 year, standard varieties.  
" 2 " June Buds.

Cherry, 1 and 2 year on Mahaleb.  
Asparagus, best leading kinds, 1 and 2 year.  
Privet, California, 1 and 2 year, fine.

" Ibota, 1 and 2 year.

Strawberry Plants, best varieties.

Grape Vines, 1 and 2 year; heavy on 1 year Concord.

White Birch, 10-12 ft., fine.

Silver Maple, 10-12 ft., 8-10 ft., 7-8 ft.

Sugar Maple, 8-9 ft., 7-8 ft.

Norway Maple, 7-8 ft., 6-7 ft.

Poplars, Lombardy & Carolina, 1, 2 and 3 year.

Catalpa Speciosa, 8-9 ft., fine.

Weeping Willows, 8-9 ft., fine.

Oriental Planes, 8-9 ft., fine.

We have a fine lot of Extra Heavy Shrubs, such as Hydrangea P. G., Weigelas, assorted; Altheas, assorted; Judas Trees, Spireas, assorted; Eulalias, Snowballs, Lilacs, Strawberry Tree.

In large Shade Trees we have Sugar Maples, Elms, Box Elder, Catalpas, Evergreens, Roses, Etc., Etc.

Would accept orders to bud Peach on contract. Can commence shipping October 1st, or earlier.

Send us your want list.

Confer with us at the Convention.



## L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolus, Cannas and Dahlias  
Nurserymen Should Try My Simplex Tree Baler  
IT DOES THE WORK. PRICE \$16.00.  
Special 20,000 California Privet.

## North Carolina PEACH SEED Natural

Write for sample  
and special prices.



Clark Nursery Co.  
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"You Get What You Order."

## PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED, crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,  
4th Ave. & Clinton St., BALTIMORE, MD.

We have on hand  
**650**  
**Bales**  
**of Raffia**

SOUNDS a lot doesn't it? But we have good reasons for believing that Raffia prices are going 'way up. That's why we stocked up. We advise you to do the same while prices are low.

### RED STAR BRAND

This is the Nurseryman's grade. The best Raffia we can offer at any price. Long, strong and white.

### ARROW BRAND

Good ordinary quality, Second only to the Red Star Brand—offered at a lower price.

We will book your order now and ship when required. If you defer ordering until budding time you might pay more. Send for samples and prices, stating quantity required during 1909.

**McHUTCHISON & CO.**

Raffia Importers  
17 Murray Street NEW YORK CITY

## PEACH SEED

I still have a few hundred bushels of 1907 crop peach pits. Special prices to close them out. Write

C. G. NIEMAN, Port Clinton, Ohio

## Budded Pecan Trees

Japan Persimmon, Japan Walnut,  
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

**THE GRIFFING BROS. CO.,**  
JACKSONVILLE, FLA.

## PEONIES

ONLY BY THE WHOLESALE

Let me send you my list of OVER ONE HUNDRED Best Varieties.  
J. F. ROSENFELD, WEST POINT, NEBR.

When writing to Advertisers mention The National Nurseryman.



400 best sorts

## ROSES

for lining out.

SEND your want LIST  
for our

THE LEEDLE FLORAL COMPANY  
SPRINGFIELD, OHIO.

## R. C. PETERS & SONS

IRONSHIRE, MARYLAND

(Successors to)

Wm. M. Peters' Sons, Snow Hill, Md.

Bell Telephone connections in office.

Telegraph Office, Berlin, Md.

**Offer for Spring 1909**

Peach Trees of all the leading varieties,  
California Privet and Grape Vines

Send in your list of wants for Special Prices.

Grand stock of specimens

GROENEWEGEN & SON  
ROYAL NURSERIES  
DE BILT  
near Utrecht  
HOLLAND

London Planes,  
Acer Schwedleri,  
Lime Dasytilla,  
Horse Chestnuts—red  
and white flowered  
Thorns—Paul's Scarlet,  
Large leaved Elms, Etc.

Catalogue 1909 now ready,  
will be sent on  
application.

## For Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

**Fraser Nursery Company**

Incorporated

HUNTSVILLE, ALABAMA

## WANTED IMMEDIATELY

An experienced Nurseryman who thoroughly understands all branches of Nursery work. Must be temperate, honest, and a good worker. State age, nationality, and wages expected.

VIRGINIA NURSERY CO., Purcellville, Loudoun Co., Va.

When writing to Advertisers mention The National Nurseryman.



## FOR FALL 1909

We have the largest and most complete assortment of Ornamental Trees, Shrubs and Herbaceous Plants we have ever grown. Also Tree Seedlings in large variety.

We have genuine Catalpa Speciosa and Black Locust in large quantities. You cannot afford to buy before getting our quotation, it will pay you.

Are now ready to quote you.

**The Willadean Nurseries**  
WARSAW, KENTUCKY.

**A BARGAIN** IN STANDARD PEARS.  
Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere  
Address,

**PIONEER NURSERIES COMPANY,**  
Salt Lake City, Utah.

## Surplus Stock, Spring 1909

50,000 PEACH TREES, 1 yr. from bud.

10,000 APPLE, 1 yr. from bud.

100,000,000 STRAWBERRY PLANTS in six leading sorts.

MYER No. 1, AROMA, STEVEN'S CHAMPION.

Superior.

Gandy.

A general assortment of other stock.

D. S. MYER & SON,

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## FARM USES OF CARBOLINEUM

ARE COMPLETELY EXPLAINED IN BULLETIN 26

covering Kinds and Habits of Lice—The care of Silos. Preservative treatment of Shingles and Fence posts and the care of Fruit and Shade Trees. Mailed free upon request.

Endorsed by U. S. Department of Agriculture  
CARBOLINEUM WOOD PRESERVING CO.  
341 West Broadway, NEW YORK

## DREER SPECIALS

FOR SPRING 1909

PÆONIES

PHLOXES

JAPANESE IRIS

GERMAN IRIS

TRITOMAS

And a most complete line of Hardy Perennials,  
Decorative Foliage and Greenhouse Plants

Write for special prices on your requirements

HENRY A. DREER, PHILADELPHIA, PA.

## The New England Nurseries, Inc.

BEDFORD, MASS.

HIGH GRADE FRUIT AND ORNAMENTAL  
TREES, SHRUBS, ROSES AND  
HERBACEOUS PERENNIALS

We grow everything required for Orchard. Garden,  
Lawn and Landscape Planting.

Catalog and Trade-list on application.

## NORTH CAROLINA NATURAL



## Peach Pits

Gathered in the mountains of North Carolina where the  
Yellows are unknown. Write for prices.

JOHN A. YOUNG

Greensboro, N. C.

## HARDY NEW ENGLAND GROWN NURSERY STOCK

**W**E grow a general assortment of Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc. Prices reasonable. Wholesale Trade List for the asking.  
**BAY STATE NURSERIES, North Abington, Mass.**

## LABELS for NURSERYMEN

Plain or  
Printed

The Benjamin Chase Co

Derry Village, N.H.

Ben Davis



## J. H. SKINNER & CO.

Station "A," Topeka, Kansas.

**Fruit, Shade and**

**Ornamental Trees**

∴ FLOWERING SHRUBS ∴  
APPLE AND PEAR SEEDLING  
∴ FOREST TREE SEEDLING ∴

## E. T. DICKINSON,

**Chatenay Seine, France.**

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,  
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

**PEAR AND CRAB APPLE SEED,**

The most complete assortment of Ornamental Stocks,  
Trees and Shrubs.

**Geo. E. Dickinson,** 1 Broadway, N. Y.

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GENEVA, NEB.

### CHERRY TREES

WESTERN GROWN

Our Trees are Vigorous, No signs of Fungus, or Leaf Mould, Well Graded and Price Right.

EUROPEAN PLUM. We have a fine assortment.

STANDARD PEAR. A good supply of standard sorts.

GRAPE VINES. Fredonia Grown and up to Grade good clean stock.

**SHADE TREES**

**ORNAMENTAL TREES AND EVERGREENS**

IN LARGE QUANTITIES

**Write for Prices**

ESTABLISHED 1868

**F. W. MENERAY**

## Crescent Nursery Co.

**Council Bluffs, Ia.**

We offer our large stock of PAEONIES at a special low price for Spring, 1909. Also a large stock of Cherries, Plums, Pears, Gooseberries, Deciduous Trees and Ornamental Shrubs.

When writing to Advertisers mention The National Nurseryman.

## The L. Green & Son Co.

PERRY, LAKE CO., OHIO

### Specialties for Fall 1909

A strong lot of two year, standard and dwarf, Pear, Plum, Cherry and Peach; also a fine line of Ornamentals. A moderate amount of 2 year Currants—strong on London Market.

**Let Us Figure on Your Wants  
Before Placing Your Orders**

Established 1780.

## Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

**SEASON, 1909**

FOR NURSERY STOCKS OF THEIR OWN  
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: New York City.

## W. T. HOOD & CO.,

Old Dominion Nurseries

**RICHMOND, VA.**

### Specialties for Spring 1909

Japan Pear Seedlings; California Privet—Fine Plants.

**Special Inducements in Carload Lots**

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2 yr., Champion, Orange, Meeches & Reas, exceptionally fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

**GENERAL LINE OF NURSERY STOCK**

Correspondence Invited.

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# ORNAMENTAL STOCKS

**NURSERIES**  
**420 ACRES**

## WE GROW

FRUIT TREE STOCKS—All Sizes.  
300 varieties of Conifers, 1 to 4 years old.  
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.  
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.  
250 varieties of Climbing Plants.  
400 varieties of Conifers, 1 to 4 feet high.  
400 varieties of Perennials.  
800 varieties of New and Old Roses.

We Have No Agents.  
Write direct to us and  
ask for **WHOLESALE**  
**CATALOGUES**

TRANSON BROS & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

**BARBIER and CO., Successors,**

Orleans, France

## FRITSCH & BECKER

WHOLESALE SEEDSMEN

at GROSSTABARZ, Thuringia, GERMANY

are prepared to accept contracts on the following  
Specialties for

**DELIVERY FALL 1909**

FRESH SEEDS of MULBERRY, WILD CHERRY,  
MAHALEB CHERRY, PLUM, QUINCE, APPLE,  
PEAR, DOG ROSE, BLACK AND HONEY  
LOCUST and many other sorts.

Price List on application  
WANTED: American Evergreen Tree Seeds  
Offers will oblige

## CALIFORNIA AND AMOOR RIVER PRIVET

Large stock in all grades. This stock being our leading specialty we are able to quote low prices, and believe that we now have the largest stock of any Nursery in the country. Besides we offer Shade Trees, Shrubs, Berry Plants, Grape Vines, Roses, Cannas, Etc., Etc. Special prices on car load lots for booking of early orders.

Trade List ready August the first.

**VALDESIAN NURSERIES,**

Bostic Department, Bostic, North Carolina.

**ROSES - SHRUBS - CANNAS - PHLOX**  
**JAPANESE IRIS - HERBACEOUS PAEONIES**

**ALL FIELD GROWN**

Teas, Hybrid Teas, Hybrid Perpetuals, Mosses, Rugosas, Climbers, Ramblers Creepers. Thirty Types. Over Three Hundred Varieties.

Planting for the season of 1909-1910 is the heaviest in our history. Varieties are the BEST and QUALITY is there, better than ever before.

We want to figure with you Mr. Nurseryman on your future orders. We have the goods—QUALITY—QUANTITY—VARIETY—and can make the prices! Your correspondence will get "quick" action.

**The United States Nursery Co.**

RICH, Coahoma County, MISS.

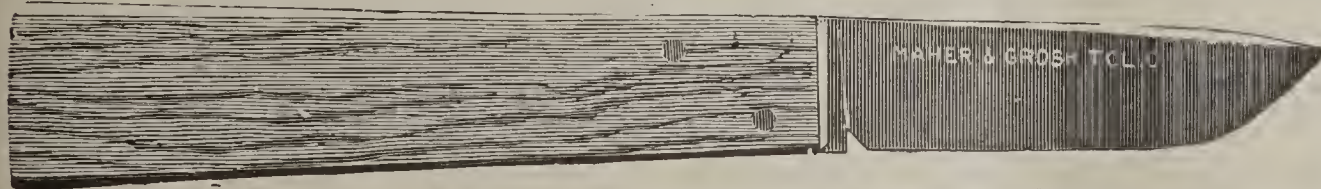
If you are not a subscriber to the **NATIONAL NURSERYMAN** look up our representatives who wear No. 22 and No. 23 at the Convention.

## LEVAVASSEUR & SONS

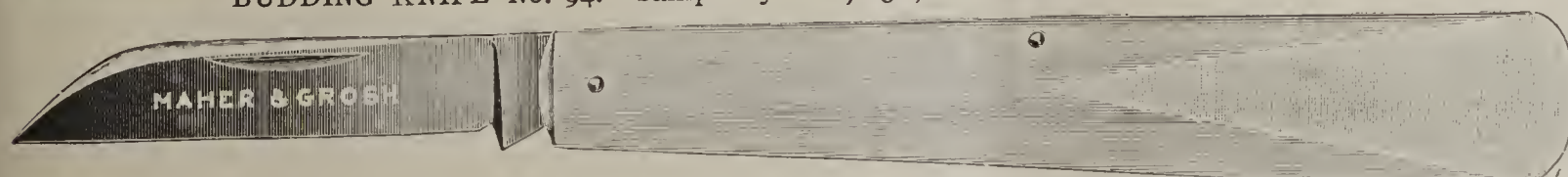
Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Orders booked now for delivery season 1909-1910. Compare prices quoted in last Fall's trade list. For catalogues and price list address us or our

American Agents, **AUGUST ROLKER & SONS**, New York, 31 Barclay Street, or P. O. Box 752.



BUDDING KNIFE No. 94. Sample by mail, 25c; 6 for \$1.25.



PROPAGATING KNIFE No. 89, 50c. Blade Closes; White Handle. Same Handle, but with Budding Blade, same price

## NURSERYMEN'S KNIVES

Hand Forged Razor Steel Warranted

Nursery Pruner, 50c  
Pocket Pruner, 60c  
Pocket Budder, 35c  
Pocket Grafter, 40c

We Solicit Direct Trade

**MAHER & GROSH CO.,**

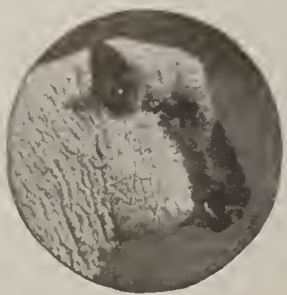
**90 A Street, Toledo, Ohio**

Send for 12-Page Special Nursery Catalogue.

When writing to Advertisers mention the National Nurseryman.



## Natural Guano



PULVERIZED Sheep Manure, pure and unadulterated. Unexcelled for all kinds of Nursery Stock, giving healthy and luxuriant growth to the plant. Can be applied either with drill or fertilizer attachment.

Price and freight rates on application.

**Natural Guano Company**  
AURORA, ILLINOIS

## ALMA NURSERIES, Oudenbosch, Holland

NURSERIES AT

**Oudenbosch and Boskoop**

Proprietors { U. J. Heerma Van Voss, Czn.  
H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Largest growers of Ornamental, Deciduous and Evergreen Nursery Stock.

SOLE AMERICAN AGENT:

J. MEERKAMP VAN EMBDEN, Mt. Vernon, N. Y.

WRITE FOR CATALOGUES AND SPECIAL QUOTATIONS

## Victor Détriché

Angers, France

Wholesale Grower and Exporter of Fruit-Tree Stocks, Forest-Tree Seedlings, Rose Stocks, Shrubs, and Conifers for Nursery Planting.

Write for special price-list and catalogue.

**W. TAAT, Sta. A., YONKERS, N. Y.**

Sole Agent for the United States and Canada.

## SIMPSON

is the name of the men who grow the finest

## CHERRY

that can be produced by suitable soil, climate and expert knowledge.

Take a look at the stock or ask for a sample and be convinced of the *extra quality* of their

## TREES

**H. M. Simpson & Sons,**

Vincennes, Indiana

## Victor Détriché

Angers, France

Wholesale Grower and Exporter of Fruit-Tree Stocks, Forest-Tree Seedlings, Rose Stocks, Shrubs, and Conifers for Nursery Planting.

Write for special price-list and catalogue.

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THE ONE BEST ARTICLE

FOR THE PURPOSE

## WOOD LABELS

FOR NURSERYMEN AND FLORISTS

BOTH PLAIN AND PRINTED

Facilities for prompt and efficient service, together with the quality of our produce is unsurpassed. Samples and prices are at the command of a communication from you. Our product will be in evidence at the Convention.

**Dayton Fruit Tree Label Co.**

SOUTH CANAL STREET, DAYTON, OHIO

## Red Star Raffia Best for Budding

No waste; strands are long, strong and of good color. WE take the risk and will replace any "Red Star" brand that proves unsatisfactory.

Why should you take chances on the unguaranteed, promiscuous brands?

Ask for sample of "RED STAR" Brand

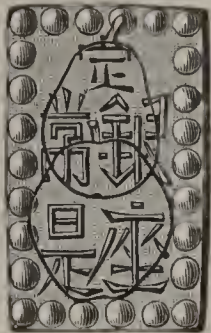
**Thomas Meehan & Sons**

BOX X., DRESHER, PA.





# Heikes --- Huntsville --- Trees



Huntsville  
Wholesale Nurseries  
Huntsville, Ala.  
JESSIE S. MOSS, Prop.

We offer for the Fall of 1909 and Spring of 1910 in large quantities as usual :

## SPECIALTIES

**PEARS**—Bartlett and Beurre de Anjou, one year, in large supply. As fine in quality as ever grown.  
**PEARS**—Kieffers, one and two years old. A much smaller crop than heretofore  
**PEARS**—Assorted leading varieties. One and two yrs. old.  
**CHERRIES**—On Mahaleb. Leading sour varieties. A large block but not as many as usual.  
**PEACHES**—We excel in Peaches, and of these we will have as large and as fine a stock as we have ever grown, both in one year and June Buds.  
**PLUMS**—A light stock of these for this year.  
**PECANS**—We make a specialty of grafted Pecans. These are grown in our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.  
**ROSES**—Budded. We have discontinued the propagation of Roses at Biloxi. We will have a large stock of leading Hybrid Perpetuals and Mosses grown at Huntsville.  
**PRIVET**—Amoor River. Retains its foliage longer and holds its color better than Colifornia Privet.  
**MAGNOLIA G. F.**—Huntsville grown. Handsome, young plants, transplanted.

See Price List for particulars.

Address, W. F. HEIKES, Manager,  
HUNTSVILLE, ALA.

# STARK BRO'S NURSERIES & ORCHARDS COMPANY

CAPITAL STOCK \$1,000,000

PIONEER NURSERIES OF THE WEST

Established 1825

Fourth Generation of Stark Nurserymen

STARK DIGGERS are now furnished with a very heavy double edged blade of highest quality crucible steel; prevents all twists and spring. A boy can pull trees loosened by the adjustable lifter.



Thrown in or out of the ground quickly, without heavy lifting. Easily turned. Moved from one location to another on its own wheels. Used by many of the leading nurserymen; has always given satisfaction.

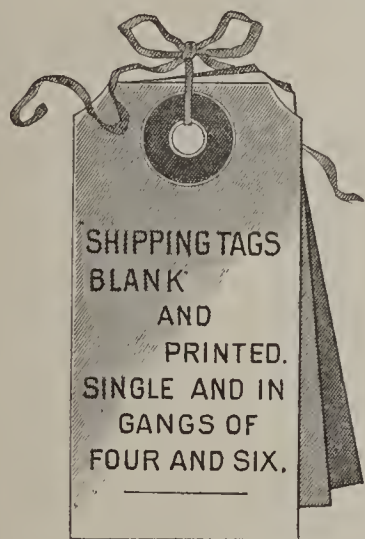
Write for Descriptive Circular and Prices

General Office, Nurseries, Packing Houses  
LOUISIANA, MO.

BRANCHES { Starkdale, Mo. Rockport, Ill. Atlantic, Ia.  
Fayetteville, Ark. Portland and Dansville, N. Y.

Storage Capacity 1,000 Car Loads  
A GENERAL LINE OF NURSERY STOCK

**H**AVE you seen and examined the quality of our waterproof rawhide shipping tags and tree labels? This stock is



especially adapted to hard usage and outside use. "Once used, always used." Send for samples and prices. Our refer-

ences are the largest Nurserymen in the United States.

**The Denney Tag Co.**  
WEST CHESTER, PA.

## B. & A. SPECIALTIES.

**BLUE SPRUCE**, all sizes, 2 to 7 feet.  
**WEeping BLUE SPRUCE**. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.  
**ROSES**, Hybrid Perpetual and Hybrid Tea varieties.  
**CONIFERS and EVERGREENS**, 150 varieties.  
**RHODODENDRONS**, Hardy Hybrid and Maxima, 50 varieties.  
**EVERGREEN SHRUBS**, 35 varieties.  
**FLOWERING SHRUBS**, 350 varieties.  
**JAPANESE MAPLES**, 25 varieties.  
**ORNAMENTAL DECIDUOUS SHADE TREES**, 50 varieties.  
**WEeping and STANDARD DECIDUOUS TREES**, 50 varieties.  
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**HARDY VINES and CLIMBERS**, 75 varieties.  
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**SPRING and SUMMER FLOWERING ROOTS and BULBS**, 250 varieties.  
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**TRAINED and OTHER FRUIT TREES**. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.  
**SMALL FRUITS**, 75 varieties.  
**NEW and RARE TREES, SHRUBS and EVERGREENS**, 35 varieties.  
**MISCELLANEOUS NEW and RARE PLANTS and VINES**, 25 varieties.  
**HARDY HERBACEOUS PLANTS** (Old Fashioned Flowers) 1,000 varieties.  
**NEW and RARE CHOICE HARDY PERENNIALS**, 65 varieties.  
**ORNAMENTAL GRASSES**, 30 varieties.  
**HARDY FERNS**, 50 varieties.

ASK FOR WHOLESALE CATALOG

VISIT NURSERIES

**BOBBINK & ATKINS,**

NURSEYMEN AND FLORISTS,

RUTHERFORD, N. J.



# H. Frank Darrow

26 Barclay Street  
NEW YORK, N. Y.

(BADGE No. 17)

**Sole American Agent**  
FOR

**Louis Leroy's Nurseries**  
ANGERS, (FRANCE.)

Extensive grower and exporter of  
carefully selected and evenly graded

Fruits and Ornamental Stocks,  
Shrubs, Evergreens Manetti, Etc.

**John Palmer & Sons, Ltd.**  
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One of the largest growers of

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**H. M. HARDYZER**  
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Extensive grower and exporter of

Roses, Clematis, Rhododendrons,  
Evergreens, Hardy Azaleas,  
Paeonies, Conifers, Etc.

**Custom House Broker and Forwarder**

We make a specialty of handling im-  
portations of PLANTS, NUR-  
SERY STOCK, BULBS, Etc.  
Imports and Exports promptly and  
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For catalogue and information apply to H. Frank Darrow,  
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WHOLESALE ONLY

## Chase Nursery Co.

HUNTSVILLE, ALABAMA.

Meet us at the Convention !!

Looks like them thar York State Yankees are fix-  
in' to giv' us a bully good time. Let's try 'em.  
Everybody go !! and talk it over,—**It pays.**

Stock 'round here is growing finely; prospects en-  
couraging; ground in good shape; plenty of rain; field  
work well in hand. We are doing our utmost to  
bring on a Dandy Fine Stock for 1909-10.

Tree Altheas, Bush Altheas, Spireas, Privets,  
Roses, Shrubs (assorted), Fruit Trees, Nut Trees,  
Mulberries—and a whole lot more.

June Budded Peach—in quantity—and that's  
not all.

Please Send Your List of Wants for Fall

WHOLESALE ONLY

## Chase Nursery Co.

HUNTSVILLE, ALABAMA.

## Burr's Specialties

for the Coming Year

PEACH TREES

GROWN ON NEW LAND and will be EXCEPTIONALLY FINE

CAROLINA POPLARS

1, 1 1-4, 1 1-2, 2 in. DIAM.

BERBERRY THUNBERGII

12-18, 18-24 in.

BERBERRY SEEDLINGS

6-10, 10-12 in.

ASPARAGUS ROOTS

Graded strictly 2 Yr., No. 1

CALIFORNIA PRIVET

12-18 in. to 3-4 Ft.

Contract Prices on the above will be made for  
Early Orders.

We are also in position to handle Dealers' Com-  
plete List.

## C. R. BURR & COMPANY

The Burr Nurseries MANCHESTER, CONN.



# Evergreens

are my leading specialty. Our soil and climate is acknowledged to be especially adapted for producing healthy, thrifty trees with an abundance of fibrous roots. My stock includes "Everything in Evergreens" from millions of small seedlings and transplants to well formed specimens 2 ft. to 20 ft. in height. In most varieties we have immense quantities in sizes that are just right for growing on, two and three year transplanted stuff with good roots and an abundance of them. You will be surprised how little money is necessary to build up a good stock of evergreens, and you don't have to figure on much loss when buying Hill's Evergreens, if you do your part. NOW is a GOOD TIME to stock up

*I also make a specialty of growing*

## Forest Tree Seedlings

in immense quantities such as European Larch, Catalpa, Black Locust, American Elm, American Linden, Horse Chestnut, Sweet Chestnut Hard Maple, Norway Maples, Red Oak, White Oak, Burr Oak, Chestnut Oak, Black Oak, Birch, Beech, Ash, Box Elder, etc.

*In addition to the above I have a complete line of*

## Deciduous Shade Trees

of all the most important varieties. Several blocks of Elm 2 1/2 to 5 inches in diameter with extremely well formed tops and straight trunks. A fine lot of Linden.

1909 CATALOG READY NOW. WRITE FOR IT.

### D. HILL

Evergreen Specialist  
DUNDEE, ILL.

"Dundee Grown" Trees Have Been Famous for Over Half a Century.



## The Buying of Trees is a Matter of Confidence



IT IS impossible for even an expert to tell from an examination of the bark and leaves of a tree whether the fruit will be good or worthless. While of importance to private planters, it is of far greater consequence to the nurseryman who buys trees in quantities for distribution among his customers to know they are reliable in every way. For 26 years the Glen Saint Mary Nurseries have been perfecting their facilities for the production of absolutely dependable stock and the nurserymen who have been supplied from this source, as well as direct customers, have come to know that here they can secure

### "Trees True to Name"

Large test orchards are maintained at Glen Saint Mary Nurseries for the fruiting and proving of different varieties. These orchards enable us to point to the parent trees from which our young nursery stock is grown as evidence that we know exactly what the latter may be expected to do when they come to fruit. Further evidence of the superiority of our product is found in bearing orchards throughout the South, planted years ago with Glen Saint Mary trees. We are now growing better trees and plants than ever before.

New Catalogue or Wholesale Price List on application.

### The Glen Saint Mary Nurseries Company,

GLEN SAINT MARY, FLORIDA

G. L. Taber, Pres. & Treas.

H. Harold Hume, Vice-Pres. & Sec.



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Fire-Proof

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Seventh Ave. & 38th Street

BUSINESS MEN  
FAMILIES  
TOURISTS

Maximum of Luxury  
at Minimum of Cost.

ACCESSIBLE  
QUIET  
ELEGANT

Within Five Minutes'  
Walk of Theatres,  
Shops and clubs. 300  
Feet West of BROAD-  
WAY.

New Dutch Grill  
Rooms. Largest in  
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Electric Cars pass  
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### EUROPEAN PLAN

\$1.50 PER DAY

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SUITES, \$3.50 AND UPWARDS

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\$2.00 PER DAY

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in a typewriter secures durability, ease and efficiency of operation, and increases the speed and accuracy of the work: the

## UNDERWOOD

STANDARD

### Typewriter

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Marvel  
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Yet every part is carefully chosen as the best possible means to the perfect finished product.

There is nothing hidden about the Underwood. The type-bars lying when at rest in a compact segment; the patented guide—all the parts which permit the visible writing—which help, not bother, the operator will be shown you, explained also if you like; but really you'll see for yourself why the Underwood does endure and why its operation is easy, quick and accurate.

### UNDERWOOD TYPEWRITER COMPANY, Inc.

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Everything in  
**Small Fruit Plants.**

Ask for price list.

W. N. SCARFF, New Carlisle, O.

**FAIRFIELD NURSERIES**

FRUIT AND SEED FARMS

OFFER for Fall 1909 and Spring 1910

GRAPE VINES—One and two years old. Varieties largely Moore's Early, Concord and Niagara. Also Scarlet or Crimson Clover Seed and Cow Peas. Free from weed seeds, all cleaned and guaranteed first class.

Correspondence solicited. Price list upon request.

**CHAS. M. PETERS**

P. O. Address, Salisbury, Wicomico County, Md., R. F. C. 3  
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**We are Prepared to Handle Your Orders**

for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

SPECIAL—We have 1000 bu. of Red and Burr Oak Acorns on which we can make special low price.

SEED DEPT.

**DUNDEE NURSERIES**

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DUNDEE, ILLINOIS

**F. E. SCHIFFERLI**

FREDONIA, N. Y.

Successor to WHELOCK & CLARK

AT IT SEVENTEEN YEARS

For SPRING 1909

GRAPE VINES AND CURRANT PLANTS

GRAPE AND CURRANT CUTTINGS

CORRESPONDENCE SOLICITED

**California Privet**

LARGEST STOCK IN THE COUNTRY

SEND FOR PRICES

C. A. BENNETT, Robbinsville, N. J.

**P. OUWERKERK,**

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERIES. Some of the goods on hand here during the packing season.

**Grape Vines**

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

T. S. HUBBARD CO., Fredonia, N. Y.

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NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobalan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

**FOR SALE.** One of the best and oldest Nurseries in North Dakota. Established Spring 1879. Over 12,000 farmers' names on mailing list. The best of references and reasons given for sale if wished. Only a very small payment required down, rest can be made out of business in one or two years and still leave a good profit.

Address, GRAND FORKS NURSERIES  
Grand Forks, N. D.

**SPRING OF 1909**

New Trade Sheet and Scion List Just Out. WRITE FOR THEM.

We have a Large Stock and can Ship Promptly.

NURSERIES AT CARROLLTON AND JERSEYVILLE, ILL.

JOHN A. CANNEDY NURSERY AND ORCHARD CO.,

CARROLLTON, ILL.

**W. Fromow & Sons**

Windlesham Nurseries, Surrey, England

NOW IS THE TIME to place your orders for fall 1909 or spring 1910 deliveries of our well grown stocks of Roses, Rhododendron, Golden Privet, Retinosporas, Box, Holly, etc. For prices we refer to our latest wholesale price list mailed in November. For further particulars address our SOLE AMERICAN AGENTS

AUGUST RÖLKER & SONS, P. O. Box 752, or 31 Barclay Street, NEW YORK.

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# PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST  
COMPLETE ASSORTMENTS OF STOCK FOR

## Nurserymen and Florists

in the United States, including Fruit and Nut Trees,  
Deciduous and Evergreen Trees and Shrubs, Roses,  
Hardy Vines, and Plants, Small Fruits and Grape  
Vines, Tender Plants, Bulbs and Seeds. . . . .

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in. Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman's Pipe, etc.

### Roses—

Hybrid  
Perpetual  
Ramblers,  
Climbers,  
Etc.,  
in large supply.

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.



HORSE CHESTNUT

Pleased to  
price your list  
of wants or to  
show you our  
stock. Special  
inducements  
on car lots. If  
you have not  
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it. Catalogs  
and Price  
Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

*The* **STORRS & HARRISON Co.**  
PAINESVILLE, OHIO



SPECIAL LOW PRICES

FOR JULY

## Purple Japan Maples

HOME GROWN PLANTS

SUPERIOR TO IMPORTED

From pots and tubs about 2 feet high with ball, ensuring perfect success in transplanting.—Can be shipped now at any time.

### Ellwanger & Barry

*Mount Hope Nurseries*

Rochester, N. Y.

## To The Trade

We offer a very complete assortment of thrifty, well-grown stock, both Ornamentals and Fruits, which will be properly dug, carefully graded and packed right, for delivery this fall and next spring. Buyers are invited to submit Want Lists for quotations on the "J. & P." Specialties and anything else that nurserymen and florists buy.

## Jackson & Perkins Co.

Purveyors to The Trade (by appointment) and Dispensers of "The Preferred Stock" which is grown at NEWARK, in WAYNE COUNTY, New York State.

July 1, 1909.

### SPECIAL NOTICE

APPLE QUINCE PEAR CHERRY  
PEACH PLUM

A Fine Block of  
Own Root Roses

ORIENTAL TREES SHRUBS  
BERRIES CLEMATIS  
EVERGREENS PEONIES PHLOX

Write for our Special Prices

Special Attention given to Dealers, complete lists  
and carload lots.

W. & T. SMITH COMPANY

GENEVA, N. Y.

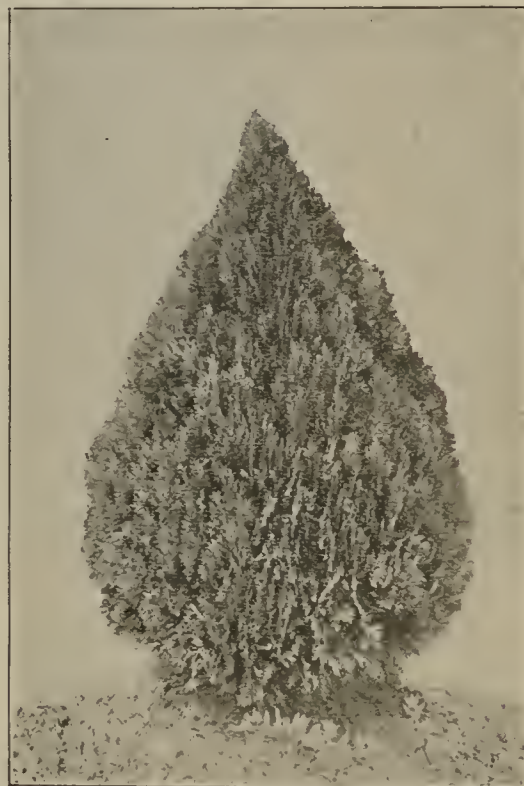
63 Years

700 Acres

### BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall delivery, from 10 inches to 3 feet.



ALTHAEA  
MEEHANII  
(Hibiscus Syriacus)  
(New variegated  
single flowering  
Althaea).  
Field grown  
DOROTHY  
PERKINS,  
CRIMSON  
RAMBLER,  
and MARIE  
PAVIE Roses.  
AZALEA  
INDICA,  
CAMELLIA,  
MAGNOLIA  
grfl..  
WIER'S  
MAPLE,  
TEAS,  
MULBERRY,  
TULIP  
POPLARS,  
all first class.  
Send for prices.

### P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

:: AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman

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# Strawberry Plants

**M**Y BUSINESS for several seasons has been growing very rapidly, and the season just past has far exceeded any former year. I have therefore been compelled to increase my acreage to meet the growing demand for my plants, and I expect this Summer to build an additional, large, up-to-date packing house, so that my daily output of plants will be greatly increased during the shipping season. This will enable me to handle promptly all orders that I receive. If you buy Strawberry Plants, get in communication with me before contracting for your next season's supply.

## W. W. THOMAS

"THE STRAWBERRY PLANT MAN."

ANNA, ILLINOIS.

Established 1845

# Bryant's Nurseries

PRINCETON, ILLINOIS

Sixty-four years in growing, handling and selling all kinds of Nursery Stock is the record of our house.

Well grown trees and plants, careful attention to details, courteous treatment and promptness in the execution of orders is what has built up the business to its present large proportions.

## Our Specialties Are

**Ornamental Trees and Shrubs  
Barberry Thunbergii, Privet, &c.**

Peonys—We have 50000 to offer in the best sorts.

Forest Seedlings by the Million—You will find prices right.

Also have a large surplus in Apple, Cherry, Currants and Gooseberries.

WRITE US FOR WHAT YOU NEED

**ARTHUR BRYANT & SON, Princeton, Illinois**

When writing to Advertisers mention The National Nurseryman.

# Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

# BOX STRAPS

**WARD-DICKEY STEEL COMPANY**

INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

**For Sale.** One of the best Nursery, Seed and Greenhouse business propositions on the Pacific coast. Rapidly increasing trade. Satisfactory reasons for offering for sale. No use corresponding unless you have \$10,000 or \$15,000 to invest as a starter.

"A. B.," care of NATIONAL NURSERYMAN.

**W**E make a specialty of collecting accounts for the Trade.

For particulars and references, address the

**National Florists' Board of Trade,**

56 Pine Street, New York City

# JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free. Write direct to us, we have no agents.

# Vincennes Nurseries

W. C. REED, Prop., - VINCENNES, IND.

## OFFER FOR FALL 1909

Cherry 2 Year in Car Lots

Cherry 1 Year in Car Lots

Our Cherry promises very fine both in 1 and 2 year. Also general line of other Nursery Stock.

Cherry Buds to offer in any quantity in season ready to cut July 1st.

# KANSAS CITY NURSERIES

GEO. H. JOHNSTON, Proprietor

(Successor to Blair & Kaufman)

233-234 Rialto Bldg., Kansas City, Mo.

Offer for FALL 1909 and SPRING 1910 large stock of Carolina Poplars; Catalpa Seedlings; Cal. Privet; Concord Grapes; Currants; Asparagus; and a full line of Ornamental Shrubs, Paeonies, etc.

When writing to Advertisers mention The National Nurseryman



# J. H. SKINNER & CO.

Station "A," Topeka, Kansas.

## Fruit, Shade and Ornamental Trees

∴ FLOWERING SHRUBS ∴  
APPLE AND PEAR SEEDLING  
∴ FOREST TREE SEEDLING ∴

# E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,  
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,  
Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

# YOUNGER & COMPANY

GENEVA, NEB.

## CHERRY TREES

WESTERN GROWN

Our Trees are Vigorous, No signs of Fungus, or Leaf Mould, Well Graded and  
Price Right.

EUROPEAN PLUM. We have a fine assortment.

STANDARD PEAR. A good supply of standard sorts.

GRAPE VINES. Fredonia Grown and up to Grade good  
clean stock.

SHADE TREES

ORNAMENTAL TREES AND EVERGREENS

IN LARGE QUANTITIES

Write for Prices

ESTABLISHED 1868

F. W. MENERAY

# Crescent Nursery Co.

Council Bluffs, Ia.

We offer our large stock of  
PAEONIES at a special low price  
for Spring, 1909. Also a large stock  
of Cherries, Plums, Pears, Goose-  
berries, Deciduous Trees and Orna-  
mental Shrubs.

When writing to Advertisers mention The National Nurseryman.

# The L. Green & Son Co.

PERRY, LAKE CO., OHIO

## Specialties for Fall 1909

A strong lot of two year, stand-  
ard and dwarf, Pear, Plum,  
Cherry and Peach; also a fine  
line of Ornamentals. A mod-  
erate amount of 2 year Currants  
—strong on London Market.

Let Us Figure on Your Wants  
Before Placing Your Orders

Established 1780.

# Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1909

FOR NURSERY STOCKS OF THEIR OWN  
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: New York City.

# W. T. HOOD & CO.,

Old Dominion Nurseries

RICHMOND, VA.

## Specialties for Spring 1909

Japan Pear Seedlings; California Privet---Fine Plants.

Special Inducements in Carload Lots

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all  
varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2  
yr., Champion, Orange, Meeches & Reas, exceptionally  
fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

GENERAL LINE OF NURSERY STOCK

Correspondence Invited.

When writing to Advertisers mention The National Nurseryman.



## FOR FALL 1909

We have the largest and most complete assortment of Ornamental Trees, Shrubs and Herbaceous Plants we have ever grown. Also Tree Seedlings in large variety.

We have genuine Catalpa Speciosa and Black Locust in large quantities. You cannot afford to buy before getting our quotation, it will pay you.

Are now ready to quote you.

**The Willadean Nurseries**  
WARSAW, KENTUCKY.

**A BARGAIN** IN STANDARD PEARS. Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere  
Address,

**PIONEER NURSERIES COMPANY,**  
Salt Lake City, Utah.

## Surplus Stock, Spring 1909

50,000 PEACH TREES, 1 yr. from bud.

10,000 APPLE, 1 yr. from bud.

100,000,000 STRAWBERRY PLANTS in six leading sorts.

MYER No. 1, AROMA, STEVEN'S CHAMPION.

Superior.

Gandy.

A general assortment of other stock.

D. S. MYER & SON,

Bridgeville, Del.

## FARM USES OF CARBOLINEUM

ARE COMPLETELY EXPLAINED IN BULLETIN 26

covering Kinds and Habits of Lice—The care of Silos. Preservative treatment of Shingles and Fence posts and the care of Fruit and Shade Trees. Mailed free upon request.

Endorsed by U. S. Department of Agriculture  
CARBOLINEUM WOOD PRESERVING CO.

341 West Broadway, NEW YORK

## DREER SPECIALS

Hardy Perennials, Paeonies, Iris, Hardy and Tender Water Lilies and Aquatics, Hardy Vines and Climbers, Decorative Greenhouse Plants, Palms, Ferns, Ficus, Araucarias, etc.

Bay Trees and Trained Box Woods, Hardy Rhododendrons, Azaleas, etc.

Flower and Vegetable Seeds, Bulbs, Implements, etc.

Wholesale catalogue issued quarterly and sent to the trade only. Write for a copy.

**HENRY A. DREER, PHILADELPHIA, PA.**

## The New England Nurseries, Inc.

BEDFORD, MASS.

HIGH GRADE FRUIT AND ORNAMENTAL  
TREES, SHRUBS, ROSES AND  
HERBACEOUS PERENNIALS

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade-list on application.

## NORTH CAROLINA NATURAL



## Peach Pits

Gathered in the mountains of North Carolina where the Yellows are unknown. Write for prices.

JOHN A. YOUNG

Greensboro, N. C.

## HARDY NEW ENGLAND GROWN NURSERY STOCK

**W**E grow a general assortment of Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc. Prices reasonable. Wholesale Trade List for the asking.  
**BAY STATE NURSERIES, North Abington, Mass.**

## LABELS for NURSERYMEN

Plain or  
Printed

• Ben Davis

**The Benjamin Chase Co. Derry Village, N.H.**





Messrs. Fromow & Sons Nurseries, Windlesham, Surrey, England. Upper view shows nursery of trained trees. Lower view gives fruit and ornamental trees in foreground and a general glimpse of topography of locality.



# The National Nurseryman.

FOR GROWERS AND DEALERS IN NURSERY STOCK

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Vol. XVII.

ROCHESTER, N. Y., JULY, 1909

No. 7

## W. FROMOW & SONS, Windlesham, Surrey, England

**An English Nursery Owned and Operated by the Grandsons of the Founder.  
Exporters of Fruit Trees and Ornamentals**

The Original Nursery is Located at Sutton Court, Ancient Chiswick, London, Where it was Founded in 1829 by the Grandfather of the Present Proprietors, Messrs. Joseph, William and Henry Fromow. About Fifty Years Later a New Branch was Established at Hanworth Road, Hounslow, for the Special Purpose of Meeting the London Demand for Ornamental Trees and Shrubs. In 1894 Another Branch was Established at Windlesham, About 25 Miles From London, in the Famous Nursery District Between Ascot and Woking. This was Opened With a Purchase of 40 Acres of Land but has Increased Gradually till it now Occupies an Area of 250 Acres.

The development of Windlesham branch of the nursery was a sort of pioneer enterprise on the part of the proprietors. It is located on meadow and grass land possessing a generous proportion of black valley soil containing plenty of humus and therefore, affording ideal conditions for the growth of one of the great specialties of this nursery, the rhododendron. We were shown around the place by the energetic and progressive superintendent, Mr. W. R. Oldham, who supervises this tract of 250 acres. This enterprise more nearly resembled the American nursery than anything we had seen, though it still differs in the essential respect that much of the tillage work is done by hand. The blocks, however, are larger, the trees more widely spaced than usual in British or continental nurseries and arrangements are such that horse tillage is possible and feasible.

The work of draining, road making, clearing, leveling and subduing this more or less wild land, has been intelligently attacked by the superintendent and each year sees a new area brought into subjection. The strong feature about it is that the land is practically virgin and the growth of the stock is clean and vigorous.

### CLASSES OF STOCK GROWN

A very picturesque view is obtained of this nursery from almost any of its boundaries as the land slopes markedly toward the center. This gives the visitor an opportunity

of sweeping the entire area with one glance. In doing this he can see large blocks of golden leaved varieties of shrubs standing out in striking contrast to the green and the gray. Ornamentals are propagated extensively. Fruit

trees are also grown in wholesale quantities. These are trained for walls in espalier, fan shaped and special positions and as we noted the regularity of the product and the apparent ease and inexpensiveness with which they seem to take on these special forms, we wondered whether there would not be an opening for this kind of stock in New



Ornamentals in great blocks at Fromow & Sons Nurseries, Windlesham.

England or in New York in the gardens of the city dweller or the suburbanite. Great quantities of standard roses of the various classes are grown. Messrs. Fromow & Sons make a specialty of the newer varieties of climbers, among them being Dorothy Perkins, Hiawatha and Crimson Rambler.

These trained fruit trees strike the American as being very costly productions but with the labor available in this section of England they can be produced at a remarkably small cost, and in fact they can be laid down in this country for less than our stone fruits are sold by the retail nurserymen. The work of training these trees is all done by the piece, or so much per tree per year.

### HARDY OUT DOOR STOCK

Chief among these are Hybrid Rhododendrons, now occupying some 50 acres. Think of it, 45,000 of the leading varieties are grafted annually! This is the great specialty,



and during the last few years particular attention has been given to the production of the hardy varieties. To indicate the extent of the propagating work in these hybrids we may say that last spring more than 30,000 were grafted of the following varieties: Everestianum, Caractacus, H. W. Sargent, C. S. Sargent, Kettledrum, Chas. Dickens, Lady Armstrong, Atrosanguineum, Chas. Bagley, Alba elegans, and grandiflorum, Giganteum, Old Port, Fastuosum fl. plena, Roseum elegans, Delicatissima, Ed. S. Rand, Jas. Macintosh, Mrs. H. Ingersoll and many of the Parson's Hybrids.

Certain plants much in demand as *Andromeda florabunda* and *japonica*, *Azalea Pontica*, *Mollis* and *Ghent*; *Kalmia latifolia*, *Gaultheria shallon* and *procumbens*; *Abies parryana* *glauca* *Kosteriana*, and *Orientalis*; *Retinospora obtusa* *compacta*, *pisifera* and *pisifera aurea*, *plumosa* and *plumosa aurea*, are produced and grown by the thousand. Heavy stocks of these are held especially in the smaller sizes, for export purposes.

#### ROSES

Roses as Standards and Half Standards, Dwarfs on Manetti and Seedling Briar, in Teas, Hybrid Teas, and H. P.'s, are grown by the acre. There are for disposal this season 200,000 in all the leading varieties in strong, field-grown plants. Manetti Stocks, carefully graded and well rooted for florists use are grown by the 100,000. Large quantities are exported annually to U. S. A. and Canada.

The Windlesham Nurseries are under the control and management of Mr. W. R. Oldham, who from the commencement has endeavored to form a first class nursery, stocked with first grade lines throughout. No old or unsalable stock is retained, the brush heap being thought to be the best form of cheap sale, the dominating idea being to have everything in usable and salable condition.

W. Fromow & Sons desire personal inspection at all times. The nurseries are on the L. & S. W. Ry., and can be reached in an hour from Waterloo. We can certify to the hearty way in which every visitor is welcomed, whether a purchaser or not, and a post card or wire ensures

a vehicle to meet travellers at either Sunningdale or Bagshot Stations.

These nurserymen tell us that there is keen and constant demand for trees having variegated foliage and for those having distinctively colored leaves of any kind. For this reason Golden Privet, *Prunus Pissardi*, Copper Beach, Red-leaved Maple and the like are in much demand.

These men are keen on extending trade connections on this side of the water. They are plantsmen, not mere commercialists. They know the needs of the crops they grow and are consequently successful in producing a good article. They claim to give special attention to the grading and packing of all consignments for foreign purchasers.

We were much impressed with the extent, health, variety and excellent quality of the nursery stock on the Windlesham place. Messrs. August Rölker & Sons, 31 Barclay St., New York are exclusive agents for the United States and Canada.



How a peach tree is trained for a position on a wall. Fromow & Sons, Windlesham, Surrey, England.

#### BARTLETT ON QUINCE

A controversy is in progress among California fruit growers as to the success of Bartlett pear on the quince stock. Some of our eastern growers have been quoted as authorities on one side or the other. Messrs. Ellwanger & Barry of Rochester are quoted by Mr.

Leonard Coates as backing the statement that Bartlett pear has been propagated on the quince stock by themselves for half a century. Mr. Coates says himself that he has grown them quite successfully, but that he plants them deep enough so that the point of union is well covered. We have taken the trouble to write Messrs. Ellwanger & Barry for information on this point, and they inform us that they have given up the propagation of Bartlett on quince stock, for the reason that it has failed almost uniformly. There seems to be some misunderstanding here. Messrs. Storrs & Harrison are also authority for saying that the Bartlett does not succeed as a dwarf on the quince stock.

Subscribe for THE NATIONAL NURSERYMAN.



# THIRTY-FOURTH ANNUAL CONVENTION

Held at Rochester, June 9, 10 and 11

**Breaks all Records for Attendance, Interest and Pleasure. Great Credit due the Local Committees. Rochester Nurserymen Excel as Hosts. Presidency goes to J. H. Stannard, of Topeka, Kansas. Other Officers Elected.**

The Annual reunion of the Nurserymen's fraternity of America has come and gone. No one can regret that Rochester was chosen as a meeting place. The weather except one showery day, was cool and pleasant, the program was varied and interesting; the entertainment enjoyable, the hotel accommodations most agreeable.

A large number of the members were on hand at the Seneca Hotel on Tuesday night so that the meeting opened with a full attendance on Wednesday morning.

## THE MAYOR'S WELCOME

Mayor Edgerton welcomed the visiting nurserymen in a concise, straightforward manner, typical of the business man. He did not use forensic terms or tell the visitors that the city was theirs, nor did he suggest that the keys were at their disposal, but he made it clear that he was glad to see them; that he joined with the Nurserymen of The Flower City, in extending to them a generous welcome, and he hoped that their stay would be as pleasant as profitable.

One of the concrete suggestions, which he thought well worthy of consideration, was that land investments here in Western New York were on the whole, sound propositions.

The Mayor's brief address was responded to by "Papa" Josselyn in the unique and inimitable form, which is "Papa's" peculiar gift. In this case he did not descend to terms of prosy expression, but presented his acknowledgment of the Mayor's greetings in behalf of the visiting nurserymen in verse as follows:

Mr. President, Your Honor the Mayor, Ladies and Gentlemen:

James wrote "Come and help us and git off that fence"  
And said on most themes my mind was quite dense.

"Work your poetry machine, you *never* talk sense,  
We don't *expect you* will do it for Rochester."

\* \* \*

Once at Seneca tavern I ate kangaroo,  
Tho 'twas French on menu, seemed like fine Irish stew,  
Should judge 'twould blend well with Bartholomay brew.  
Was told they sometimes do it in Rochester.

From platform of Empire that kang tried to jump down,

The conductor grabbed *us*  
and said with a frown

"Wait a mile or two, here you would muss up the Town,  
Can't allow hayseeds to do it in Rochester."

\* \* \*

Said a kid "Pa!  
What's this gag about family tree,  
Did the Lord make you and ma, sister Marie and me?"

"Sure son. When you've read the Good Book you'll readily see."

"Say dad. Don't he improve right along here in Rochester?"

I remarked to a friend that I'd bought real estate.

"Did you?" said he. "Yes. They 'did me' *not* straight,  
Next time I'll have better judgment and wait."

How I wish I had bought part of Rochester.

\* \* \*

At these outings these boys *will* make eyes at the fair  
At Dallas *one* charmer had kinks in her hair.  
These youths must awhile with flirting forbear,  
Nicest gals don't do it in Rochester.

At next turn of the wheel the Poe slipped a cog,  
Its grist must be veiled like a barn in a fog.  
It was rhymin Jim's yarn about a hoss or a dog.  
Repeat it? Just now can't do it for Rochester.



Nurserymen on the Road to Highland Park, Rochester.

Photo National Nurseryman



## THE PRESIDENT'S ADDRESS

The address of Mr. Brown which we present in full contains no extravagant statement regarding the present, no prophecies relative to the future, but was pervaded, however, by a note of confidence and optimism, which, indeed, may be said to have been apparent throughout the convention. Mr. Brown reiterated and emphasized the fact that Nurserymen were moulders of public opinion in the matter of outdoor art and associated with this the idea that real estate investments in any good nursery centre were safe and conservative. Especially was this the case in Western New York.

Mr. Brown spoke as follows:

You have already been warmly welcomed to my native and home city, yet I cannot refrain from telling you how very happy the Western New York nurserymen are that you

decided at Milwaukee to honor Rochester, the cradle of the nursery industry, with your convention this week. Those who attended the last meeting here some twenty-six years ago, at which time William C. Barry was your president, and who have not kept in touch with Rochester since that time, will hardly know her. We have now one of the three cities of the first class in the Empire State. We have here all the advantages of the larger cities. We have what every city must have to prosper, our full quota of public spirited citizens.

"Rochester has not been standing still any of these twenty-six years. Yet it is but within the recent past that she has fully awakened to her possibilities. It remained for a young man from out of the far West to shake us up as we had never

before been shaken and to point out to us what we have here. Sidney R. Clarke came to us from California as secretary to our Chamber of Commerce. He set the wheels all going. Among other things he suggested that we as a city collectively and individually adopt the motto, "Do it for Rochester." This suggestion was enthusiastically indorsed and every man, woman and child has been consistently 'doing it for Rochester' ever since. I would suggest that when you return to your homes you promulgate this doctrine. Adopt this same slogan, 'Do it for Fredonia.' Do it for whatever your home town's name may be.

## ROCHESTER PARKS

"We are proud of our city, proud of her position among her sister cities, proud of our parks and boulevards. We have hundreds of acres of beautifully developed parks,

affording opportunities for rest and recreation to all. We are proud of that great captain of industry, George Eastman, of kodak fame, through whose business ability and generosity Rochester has greatly profited and who in conjunction with that other public-minded citizen, Dr. Durand, has just given Rochester 500 acres on the lake shore. This will soon be one of the finest parks in the country.

"We are not going to keep you indoors much. We want to show you Rochester and let you decide if she deserves the name The Flower City, and also whether or not she is a good convention town.

"I shall endeavor to make a record for brevity in my remarks because we have with us many excellent speakers who will occupy the short time at our disposal much more profitably.

"So far as I can learn the past spring's business has been a record breaker with you all. Stock has been in such demand that good prices have ruled and practically everything has been sold. To cap this excellent condition, collections have been prompt and everybody is working along smoothly, happily and contentedly. For these conditions how thankful we all are.

## A PLEASANT VOCATION

"Gentlemen, taking all in all, we are following perhaps the pleasantest vocation in the world with its daily contact with nature, and if there is any man in the world who should be an enthusiastic out-of-door man, who should encourage in every way in his power the civic societies, neighborhood garden, tree and plant associations, local park boards, forestry movements, etc., it is the nurseryman, for he, more than most others, is in daily contact with the things with which these organizations have to do and so the more fully can measure the great good possible.

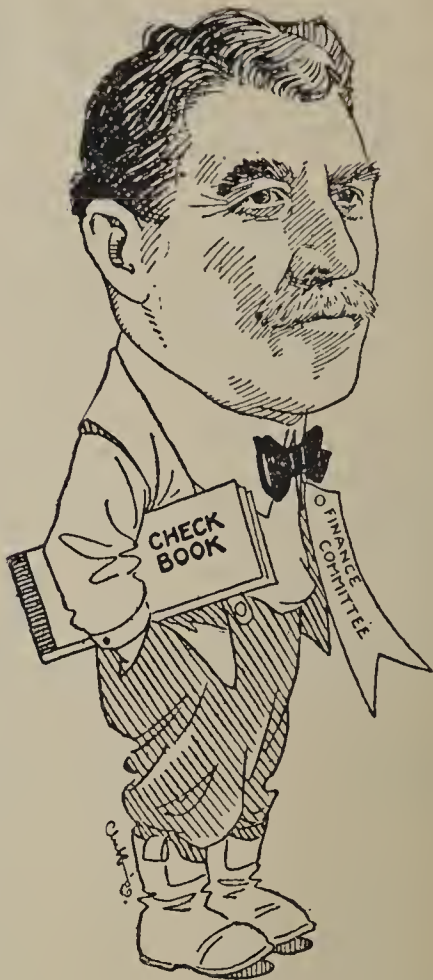
"Many towns are slow in making appropriations for parks, playgrounds and other breathing places. Hold up the hands of the leaders in these movements and work up public sentiment in the



President Brown.



Wm. Pitkin.



W. C. Barry.



community with which you are identified favorable to liberal expenditure of moneys for these purposes.

"Gentlemen, there are many practical subjects for the interchange of opinion and experiences. One subject which was brought very forcibly to my attention a few weeks ago by one who has been very successful as a result of keen foresight and who has been and is to-day still backing up his convictions, is that of investment in lands. How much of his capital can the average nurseryman afford to put into land? Is it not better to own land than to rent it? How have land investments paid nurserymen in the past as compared with their other investments? Should not every nurseryman be a considerable land

referring to the things that we have found helpful to us in our daily experiences. Your committees have been composed of most excellent men and I wish to thank them all for their loyalty and faithfulness. I will but touch upon their good work, leaving it to the chairman of each committee to make its report from which you can judge somewhat of the debt of gratitude we owe to men who have devoted such a large amount of valuable time to the work of this association.

"And now, gentlemen, in closing, welcome to our city, and may your sojourn with us rest and cheer you and may you return to your homes feeling that it was good to have come to this place."



American Association of Nurserymen visiting Highland Park, Rochester

Photo by National Nurseryman

owner? Is he not in a position to carry land cheaper than the average investor?

#### LAND AS AN INVESTMENT

"The gentleman of whom I speak is connected with large business interests, travels extensively and is intimately acquainted with land values of the world. He states unqualifiedly that for a long investment extending over a period of years nothing is so sure to pay well as land in the eastern half of the United States where he lives. The same may be equally true of the Western half. There may be new lands in the West and South which some here know about in which we should all have a few dollars. If so, why not tell one another. There may be unusual opportunities for the young man in certain localities. If we should know of them why not put the young man wise?

"These meetings to my mind should be experience meetings. A word might be dropped by any member which would greatly cheer and assist some other. Let us therefore in coming together try to help one another by

#### REPORTS OF OFFICERS

The reports of the Secretary and Treasurer respectively were purely business statements. They were referred to the auditing committee and duly approved.

#### REPORT OF TARIFF COMMITTEE

This report was presented by Mr. Irving Rouse, chairman of that committee. Every member present could not help but feel that this was one of the hard worked committees of the Association; that its duties were exceedingly difficult. It was a matter of deep regret to the chairman that he was unable to present a complete and conclusive statement. He had been hourly expecting a telegram from the chairman of the tariff committee in Washington, stating that the tentative schedule as presented by this committee had been approved. But unfortunately the intelligence did





not come in time to permit of a public announcement being made. The committee wished to change the ad valorem duty to a specific on all nursery stock. This was the hope of the committee, but in consultation with the Legislature it was found to be impracticable. However, progress along this line was made by the admission of a clause permitting a specific duty on all fruit stocks. The report of the committee was warmly received and a vote of thanks of the convention was tendered to its members.

#### Editor NATIONAL NURSERYMAN:

You will be interested to know that our request as per inclosed paragraph has been agreed to by the Senate Finance Committee, and that the amendment has been passed on the floor of the Senate, so that now we will get just exactly what we have asked for providing the matter is not changed in conference which is not likely.

IRVING ROUSE.

Rochester, N. Y., June 24, '09.

Paragraph is as follows:

"Stocks, cuttings or seedlings of Myrobolan, Plum, Mahaleb and Mazzard Cherry, Manetti, Multiflora and Brier Rose, three years old or less, one dollar per thousand plants. Stocks, cuttings or seedlings of Pear, Apple, Quince, St. Julien Plum and Evergreen Seedlings three years old or less, two dollars per thousand plants. Rose plants budded, grafted or grown on their own roots, four cents each. Stocks, cuttings and seedlings of all fruit and ornamental trees deciduous and evergreen, shrubs and vines, and all trees, shrubs, plants and vines, commonly known as Nursery or Greenhouse stock, not specially provided for in this section, twenty-five per cent ad valorem."

#### COMMITTEE ON LEGISLATION

Here we have another committee whose duties are no sinecure, and on which devolves a vast amount of work through the year. The report was presented by its chairman Mr. Wm. Pitkin of Rochester.

The main feature of this report was the recital of the reasons which impelled the Nurserymen to successfully urge the withdrawal of the bill prepared by United States entomologist Dr. Howard, governing the inspection of imported nursery stock. This bill called for the inspection of all Nursery stock at ports of entry. The Nurserymen who are acquainted with the way in which European stock is packed and the impossibility of unpacking and then returning to the same case its contents; who know of the unfavorable conditions for handling stock at custom-wharf ware-houses and realized the injurious effects of delay, felt that the passage of this bill as it was outlined



would prove disastrous to nursery interests. Although the bill had passed the house, and was reported favorably to the senate, it was withdrawn at the urgent demand of the committee of the Association.

The association will appoint a committee to take up this question in co-operation with the United States Department of Entomology, with a view of drafting a bill that will cover the necessities of the case and be mutually acceptable. The discussion of this part of Mr. Pitkin's report revealed the fact that the attitude of the nurserymen was in no way antagonistic to the economic demands of the situation, but they felt that their trade interests must be protected. No doubt a satisfactory solution of the problem will be arrived at when the matter is again considered by the committee having it in charge.

Other important features of this report will appear in the body of the paper itself.

As chairman of the committee on co-operation of nurserymen and entomologists, Hon. Orlando Harrison confirmed the report of Mr. Pitkin and urged the necessity of considering this question to the end, that the interests of the Nurserymen and Planters might be properly conserved. The committee of which Mr. Harrison was chairman was discharged.

#### NATIONAL COUNCIL OF HORTICULTURE

The report of this committee was presented by Mr. C. J. Maloy, Rochester, N. Y., who showed that a large amount of propagandist work had been done by this committee in the way of public articles aiming to stimulate the planting of trees, shrubs and flowers, and in that way promote the business of the nurserymen. There seems to be some doubt, however, in the minds of members, as to the scope of the work. It was thought that the articles aimed to promote floricultural enterprises more than tree planting enterprises and for that reason the proposed appropriation of \$200.00 was withheld.

#### EXHIBITS

The efforts of the committee on exhibits directed by chairman Thomas B. Meehan, Dresher, Pa., were eminently successful. The exhibition rooms were contiguous to the convention hall and included the foyer and a basement room next to the rotunda on the first floor. These were well occupied with the wares of the Nurserymen, and manufacturers who cater to his needs. The exhibits of art materials are increasing in size and attractiveness each year. This is to be especially noted in the large and attractive illustrative material shown by the Mt. Pleasant Press of Harrisburg, Pa. The autochromes exhibited by this company were striking. The magnificent collection of photographs also attracted attention. The handsome catalogue covers were greatly admired and a thriving business we are sure, developed out of such a display.





## ROCHESTER FIRMS WERE WELL REPRESENTED

Exhibits were shown by the Rochester Lithograph Company, of a large line of lithographs and a tempting table of plate books, and other agents' materials.

Equally alluring was the exhibit of Messrs. Vredenburg & Company with a similar line of display.

In spray appliances and materials Messrs. E. C. Brown Company of Rochester showed desirable nursery appliances, while B. G. Pratt Company, New York demonstrated the value of sulfocide and scalecide in destroying diseases and insects by actual specimens on the table. The Cooper Spray fluids were also represented by a display presented by the Eastern Agent. The full report by the chairman of the exhibits will be found in another column.

## ENTERTAINMENT

The unanimous verdict of all visitors is that Rochester nurserymen are royal entertainers. The spirit of welcome was apparent on all hands. There was no question as to its sincerity and heartiness. Not only were their men taken care of, but the ladies of the party were made to feel that they indeed were an essential and expected portion of the convention. The drives, luncheon, theatre party, and smoker gave abundant evidence of the generous hospitality of the hosts.

## DRIVE AND VISIT TO ROCHESTER PARKS

This occurred on Wednesday afternoon. It would seem that every vehicle in Rochester and a large number of the city's many motors were pressed into service on the occasion. It is estimated that not less than 400 persons were transported

through the principal resident portions of Rochester, part of the nursery regions of the suburbs where samples of the stock were seen; then through Genesee Valley Park with its beautiful stretches of grass and imposing masses of shrubbery, to the newer creation, Highland Park,—where a view of unsurpassed beauty was revealed to the visitors in the wonderful mass of bloom now carried by the Rhododendrons and Azaleas.

At Highland Park, Mr. W. C. Barry and



Assistant Superintendent John Dunbar did the honors and added much to the pleasure of the visit by drawing attention to special features of interest. Here also a large group picture was taken with the Rhododendrons for a background—a picture by the way that will be greatly prized by those who were in the party.

The picture effect of these plants set on either side of a natural valley as seen from the terrace near the pavilion is one that will be long remembered by the visitors. It was indeed, an appropriate and valued opportunity for the plant lover. Scores of varieties of heath plants were carrying their attractive flowers. Note books and pads were requisitioned by the visitors for recording their impressions of variety and quality. In another part of the grounds were seen great collections of lilacs just then completing their blooming season. After a photograph of the party had been taken the visitors re-entered the carriages, and returned to the city about six o'clock. The return trip took them through the more important resident portion, where the hand and influence of the nurserymen could be seen in every lawn. The magnificent specimen trees and shrubs are all suggestive of the proximity of men who deal in a sympathetic way with nature's beautiful creations.

## THE NURSERYMEN AT PLAY

From certain veiled intimations given out from time to time the visitors gathered the notion that "something would be doing" at the smoker in Masonic Hall on Thursday night. They were not mistaken. There was not a slow minute from the singing of "My Country" till the arrival of the last number of the program in the "wee sma' hours."

Eddie Osborne as master of ceremonies proved himself the man of the hour. The way he "warmed up" his audience was a caution. Encouragement to loosen up, liven up, and warm up was given by the hosts, by precept and example and the guests responded in kind and with warmth. There were liquids of varying kinds for the thirsty, meat in quantity and variety for the hungry, music for the artistic minded; there was juggling and dancing for those who needed diversion and there were athletic contests for those of sporting proclivities. Was it fun to see the fatherly Abner Hoopes and the serious C. M. Hobbs hold the watch and referee the wrestling bout? Artists of all types were present. The monologist, the vocalist, the acrobat, the soubrette, etc., etc. The local hits and "touches" were good (for further information apply to the ex-president and Papa Josselyn and some of the seniors who occupied the bald-headed row). In the hackneyed phrase of the local reporters we can only say where all were so good we cannot single out any for special mention.



Eddie says "warm up."



Certain it is that the guests went home with a proper feeling of relaxation and a sense of having enjoyed a large night of frolic which would leave no unpleasant reminders. The Rochester nurserymen have certainly made a record for themselves as royal entertainers. Moreover they have shown by their activity in the purely business affairs of the association a spirit of liberality and efficiency. They know how to work as well as play. The names of the men who shouldered the responsibility and achieved the various successes are given in the several committees.

Here is a sample of an original song expressly made for the occasion:

"How doth the busy nurseryman  
Improve each shining hour,  
And peddle cions, sprouts and seeds  
Of every shrub and flower.

How busily he wags his chin,  
How neat he spreads his store,  
And sells us things that never grew  
And wont grow any more.

Who showed the little man the way  
To sell the women seed?  
Who taught him how to blow and lie,  
And coax and beg and plead?

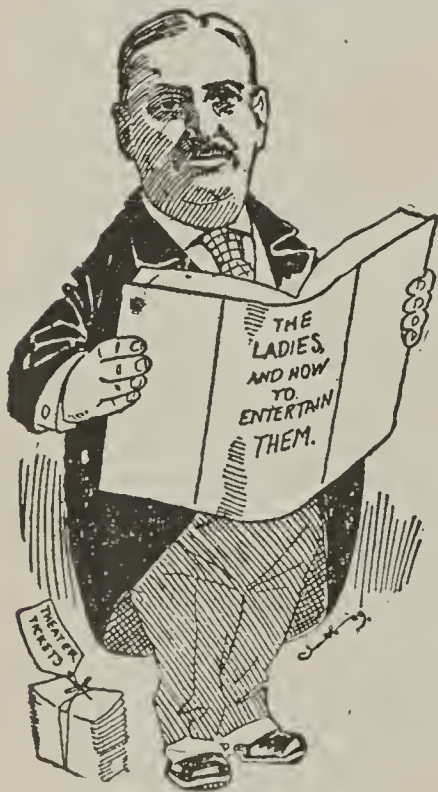
He taught himself, the nurseryman,  
And when his day is done,  
We'll plant him where the lank, rank weeds,  
Will flutter in the sun.

But, oh, although we plant him deep,  
Beneath the buttercups,  
He's so much like the seeds he sells,  
He never will come up."

"That is a sample song that was heard last night at the greatest smoker ever pulled off in Rochester, the smokefest of the American Association of Nurseryman at the 34th annual convention. Only a sample, however. There were other things, some better, some worse. And then some more."

So spoke the *Rochester Herald* of June 12th.

#### ENTERTAINMENT OF LADIES



Horace Hooker.

Aside from the personal attention and many individual acts of courtesy shown the visiting ladies the two specially provided functions for their pleasure were greatly enjoyed. There was the luncheon at the Genesee Valley Club on Thursday and the theatre party the same evening. Mrs. C. J. Brown, Mrs. Barry, and Mrs. Wm. Pitkin, Mrs. Seager of Rochester, Mrs. J. M. Pitkin, and Mrs. C. H. Stuart of Newark were charming hostesses on this occasion. Among the guests were Mrs. Josselyn, Fredonia, Mrs. John Craig, Ithaca; Mrs. H. D. Simpson and Mrs. W. C.

Reed, Vincennes, Ind.; Mrs. I. E. Ilginfritz, Monroe, Mich.; Mrs. Miller, Rome, Ga. and Mrs. Von Herff, New York City.

The committee charged with the entertainment of the ladies had for its chairman, Mr. Horace Hooker who was as agreeable as efficient in this capacity.

#### INTERESTING SIDE TRIP

Nurserymen Royally entertained by Jackson & Perkins Company of Newark, New York.

One of the most delightful features of the Convention came at its close when the well-known wholesale Nursery firm of Jackson & Perkins Co., of Newark, New York, royally entertained the Nurserymen by running a free excursion to their Nurseries at Lyons and Newark. The special train left the New York Central Station at 1:30 Friday afternoon, in charge of Conductor C. H. Ames. District Passenger Agent, J. C. Kalbfleisch and Trainmaster L. S. Emery, were on the train and ably looked after the needs of the 250 guests who accepted the invitation. A quick and pleasant run was made through the fertile Nursery section just east of Rochester, the train pulling into the siding at Perkinsville, two miles south-east of Lyons, on the Fall Brook Division, promptly on time. Here, rigs of every description met the delegates and transported them to the Nurseries where a couple of delightful hours were passed. Just before the run to Newark, a snap-shot of the "Bunch" was taken, which the NATIONAL NURSERYMAN takes pleasure in reproducing in this issue. The run to Newark was over the West Shore where rigs again met the Nurserymen and where the time until early dusk was passed in viewing the Newark Nurseries. Following this, supper was served at the Gardenier Hotel, to which all did ample justice as a result of the zest given to appetites by the open air entertainment of the afternoon.

Following the supper a hearty vote of thanks and three cheers were given by the guests to their hosts of the day. The visitors then boarded the special and were conveyed back to Rochester.—*The Du Bois Press, Newark.*

This firm is so well known to our readers that a description of their extensive plant of fruit trees and ornamentals is unnecessary.

#### REPORTS

##### TREASURER'S REPORT

Your Treasurer submits his annual report from June 10, 1908, to June 7, 1909.

##### RECEIPTS

1908.		
June 8, To cash on hand	.....	\$2913.27
" 30, Interest	.....	\$ 26.17
Dec. 31, "	.....	35.53
1909.		
May 3, Geo. C. Seager, Sec'y	.....	1070.00
June 7, " " " "	.....	1692.25
		2823.95
		<hr/>
		\$5737.22



DISBURSEMENTS

1908	
June 18, Geo. C. Seager, salary, etc .....	\$ 506.21
Whitehead and Hoag Co., badges .....	27.45
Union and Advertiser Co., Badge Books .....	303.26
June 22, Geo. C. Seager, Telegrams, etc .....	1.11
July 13, C. L. Yates, Salary and postage .....	50.80
July 16, Miss Emma Jacobson, reporting committee .....	64.90
Orlando Harrison, stamps, printing, etc .....	30.95
B. E. Fields, printing 1000 copies .....	
S. D. laws .....	25.55
July 27, Thomas B. Meehan, Committee on Exhibits .....	22.67
Oct. 17, Union and Advertiser Co .....	234.90
Oct. 23, J. H. Dayton, attending meeting tariff committee .....	15.00
Geo. C. Seager, express .....	2.20
Dec. 26, J. H. Dayton, expense on tariff committee Washington .....	47.40
Theo. J. Smith, expense on tariff committee Washington .....	32.60
Wm. Pitkin, expense on tariff committee Washington .....	40 20
1909.	
Jan. 13, M. E. Wolff Co., Bond for Treasurer ..	18.75
Mar. 2, W. C. Reed, attending W. Classification committee .....	95.40
Stark Bros., attending W. Classification committee .....	83.80
Mar. 18, J. H. Dayton, expense Washington Legislature Committee .....	46.60
J. M. Pitkin, expense Washington Legislature Committee .....	39.75
William Pitkin, expense Washington Legislature Committee .....	46.01
Mar. 25, William Pitkin, expense Washington Legislative Committee .....	.54
Thomas B. Meehan, expense Washington Legislative Committee .....	23.00
Mar. 27, Irving Rouse, expense Washington Legislative Committee .....	40.50
Apr. 12, Wm. Pitkin, expense to Buffalo Tariff Committee .....	5.25
Irving Rouse, expense to Buffalo Tariff Committee .....	5.83
May 7, Wm. Pitkin, expense to Washington Tariff Committee .....	32.80
Irving Rouse, expense to Washington Tariff Committee .....	40.00
June 7, Cash to Balance .....	3853.79
	\$5737.22 \$5737.22

All of which is respectfully submitted.

C. L. YATES, Treas.

SECRETARY'S REPORT, 1908-9

June 6th, 1908 to June 7th, 1909

RECEIPTS

Membership Fees .....	\$2035.00
Advertising in Badge Book .....	722.60
Extra Badges and Books .....	23.50
Exchange .....	5.25
Codes .....	.55
	\$2786.30

DISBURSEMENTS

May 3, 1909, C. L. Yates, Treasurer .....	\$1070.00
June 7, 1909, C. L. Yates, Treasurer .....	1692.25
Exchange .....	22.10
Postage .....	1.95
	\$2786.30

GEO. C. SEAGER, Sec'y.  
American Association of Nurserymen.

COMMITTEE ON LEGISLATION

BY CHAIRMAN WM. PITKIN

Gentlemen:

As Chairman of the Committee on Legislation, I beg to offer a report of the work done by your Committee during the past year. Many matters of state legislation have been either referred to this Committee or investigated directly by the Chairman.

Perhaps the most important matter which has come up for action by this Committee was a bill introduced in the last Congress providing for the inspection of foreign nursery stock at ports of entry. Contrary to a tacit understanding which had existed for a number of years, this bill was prepared by Dr. Howard of the Department of Agriculture at Washington in connection with several state entomologists, and without consulting the Nursery Association. The Bill passed the House of Representatives, and had been reported favorably by the Senate Committee on Agriculture, before your Legislative Committee had any information regarding the matter. The Chairman of the Committee called to his assistance, Messrs. Irving Rouse, James M. Pitkin, J. H. Dayton, Abner Hoopes, W. H. Moon, and Thomas B. Meehan, and the Committee went to Washington, and after a hard fight succeeded in killing the measure for the last session of Congress. It was agreed that the bill would be laid over, with the understanding that before the next session of Congress the Legislative Committee of your Association, together with Dr. Howard of the Department of Agriculture, and other entomologists would get together, and endeavor to agree on a bill that would be mutually satisfactory. Following this agreement, and at the suggestion of Dr. Howard, your Committee formulated a Bill and sent it to Dr. Howard for his consideration, about two months ago. Shortly after that time your Chairman and some of the members of the Committee were in Washington in connection with matters of Tariff, and called on Dr. Howard for the purpose of discussing the proposed Bill, but the Doctor had not had time to consider the matter, and was not ready to discuss it. It was therefore left for future consideration, and your Committee would suggest that the Legislative Committee for next year be given authority to act on this matter following the general lines of the Bill presented for Dr. Howard's consideration. A copy of the Bill is attached to, and made part of this report.

In explanation I would say that the Bill introduced in the last Congress provided for the inspection of all foreign nursery stock at ports of entry, and for the inspection of growing nursery stock in the United States which might be infested or be under suspicion of being infested by insects or diseases new to the United States, and providing for the



issuance of certificates on such nursery stock after it had been inspected or treated if infestation was found to exist. The proposed Bill provides for the inspection of all foreign nursery stock at destination on the premises of the consignee or owner, and for the inspection and treatment of growing nursery stock if it is found to be infested or suspected of infestation of diseases new to the United States, but the new Bill does not provide for any federal certificates to be attached to shipments, as it is not proposed by Federal Bill to inspect all nursery stock, but simply such as might be infested with new diseases or insects, and consequently your Committee cannot see where it would be possible to

adequate means could have been devised to satisfactorily inspect and re-pack at ports of entry, the enormous quantity of foreign nursery stock entering this country. It would have meant damage to the stock, it would have meant serious delay in their arrival at destination, and altogether a bad proposition for every member of this Association and every other nurseryman in the country.

The proposed Bill provides for inspection of all foreign nursery stock at final destination on the premises of the owner. To that there can be no valid objection. Such inspection is now being done in New York, Pennsylvania, Ohio and other states, and without any serious incon-



Nurserymen enjoying the wonderful display of Rhododendrons and Azaleas in Highland Park, Rochester.

Photo by National Nurseryman

arrange the matter of certificates to cover such a class of nursery stock, and without conflicting with the general line of growing nursery stock, which it is not expected to inspect by the Federal Department.

Further discussion on this matter will no doubt be necessary, and it will probably be necessary to agree on some sort of a Bill before the next Convention of this Association, so that your Committee would recommend that the Legislative Committee for next year be given full power and authority to act on this subject in general conformity to the lines of the proposed Bill. This Association may well congratulate itself that the Bill introduced during the last session was not passed. Had it been enacted it would have meant serious damage to the nursery interests of the country, for it does not seem possible that any

venience or damage to the goods. It is probable that some federal legislation will be enacted, and if that is the case, it will be well for this Association to join in the discussion of proposed legislation, and do what it can to shape up a law that will be practical and easily administered.

Your Chairman has also investigated a Bill passed at the last session of the Legislature of the State of Maine, and does not find that it contains very much of interest, or much of detriment, to members of this Association. It provides that all nursery stock shipped into the State shall bear on each package a certificate of inspection, that on arrival the state inspectors may inspect if they so desire, and further—that "All agents or other parties except growers, who desire to sell nursery stock, shall make application for agent's license, and shall file with the State



Entomologist the names and addresses of nurseries or parties from which they purchase their stock. On receipt of such application State Entomologist shall issue a license valid for one year" etc. No license fee is demanded, and although it is a question from the wording of the Act whether it applies to canvassing salesmen or simply to dealers, there is no particular objection to the license feature. Your Chairman has asked for a copy of the rules and regulations of the Maine Department, but as yet they have not been received.

At the request of a number of Western nurserymen, your Chairman secured from the attorneys of the Associa-

Oklahoma during the past winter, but that the State Board having charge of such matters would give them a hearing and discuss with them the rules and regulations formulated by the State Board, and it was expected that all matters would be gotten in satisfactory shape.

Your Chairman has had no formal report from Mr. Bernardin, but perhaps he is prepared to report at this meeting.

Your Chairman also had some correspondence with a number of Western people in regard to a Bill introduced in the Legislature of the State of Wisconsin, which contained all kinds of foolish, unreasonable, and illegal propositions.



Association of American Nurserymen as guests of Jackson and Perkins Company, Newark, New York.

tion, Messrs. McGuire & Wood of Rochester, N. Y., an opinion as to the validity of the Montana Law, and our attorneys' opinion was in substance that the law was valid, and could not be easily and successfully attacked.

This opinion was secured at the request of Western nurserymen who were willing to stand one half of the expense in the matter, and all the papers and information have been referred to the Western Nurserymen's Committee.

The Oklahoma Law—Your Chairman had considerable correspondence with a number of Western nurserymen interested largely in Oklahoma business, and principally with Mr. E. P. Bernardin of Parsons, Kansas, Chairman of the Western Committee. That Committee, I believe, ascertained that no new legislation would be enacted in

The matter was looked after principally by Mr. T. J. Ferguson, of Wauwautosa, Wis., and your Chairman was advised by Mr. Ferguson in March, that it was not likely that anything would be done with the measure, and I believe that is its present status.

Your Chairman has had some correspondence relative to the laws in Pennsylvania, which provide that all nursery stock entering the state must be fumigated, and that before shipment the outside nurserymen must file with the Pennsylvania Department an affidavit which in substance obligates him to fumigate all nursery stock shipped into the State of Pennsylvania according to the prescribed formulas. In the opinion of the attorneys of our Association the Law is invalid, and unconstitutional, as an at-



tempted regulation of interstate commerce. Your chairman has endeavored to arrange a test case with the Pennsylvania authorities, but they declined to fight. Some nurserymen have executed the required affidavit and some have not done so, and I am not informed that any nurseryman failing to file the affidavit has gotten into trouble.

Your Chairman had some correspondence with parties in North Dakota relative to a Bill introduced in their Legislature which contained some objectionable provisions, and considered the Bill, and made some suggestions to the North Dakota people as to its unconstitutional and unreasonable provisions, and was informed in March, that the Bill was smothered in Committee, and consequently nothing would be done on that line for the next two years.

In the State of New York your Chairman in connection with a Committee of the Eastern Nurserymen's Association was called to Albany to confer with the Commissioner of Agriculture, and representatives of the Fruit Growers, relative to certain changes in the Laws of New York affecting the nursery interests, and I am glad to report that such changes as were made, were agreeable to all the interests involved. The changes were on the lines of strengthening the hands of the Department in connection with the inspection of foreign nursery stock, and the most important change in the Law was the one removing the requirement of fumigation of nursery stock from other states. As the Law now stands, nursery stock can be shipped into New York State without fumigation, but is subject to inspection by the Department of Agriculture after its arrival within the State. The New York Law is one which might well be copied by other states of the Union.

California—During April your Chairman received a letter from one of the members of this Association residing at Rochester, N. Y., stating that a short time previous he had shipped a few peach trees to a California customer, and had been unable to get them delivered. A regular inspection certificate was attached, and also a certificate of fumigation, but notwithstanding that the California authorities acting through the transportation companies would not permit delivery, and it seems that under their rules and regulations it would be practically impossible for many of our nurserymen to ship peaches into that State. In sending on this correspondence the member suggested that it might be well for the Committee to secure a legal opinion, but I told him in reply that the shipping season was then at its close, the meeting of the Association was near at hand, and that it would probably be better to report the matter to the Association and ask for instructions. Should the Association feel interested and desire to have the matter taken up, it should be

referred to the Committees on Legislation for next year with instructions.

State of Wyoming—Your Chairman had some correspondence with Western nurserymen represented by Mr. E. S. Welch of Shenandoah, Iowa, relative to testing the law of that state, and with the understanding I believe that the expense would be shared by some of the Western people interested largely in Wyoming trade. I believe the matter was discussed at the Convention of the Western Wholesale Association, and in March Mr. Welch advised me that it was thought advisable to defer action and discuss the matter at this Convention. In the opinion of our attorneys the Wyoming Law has some unconstitutional provisions which might be successfully attacked, and it is for this Association to decide whether any further action should be taken.

In view of the fact that these matters of legislation often arise unexpectedly, and that consequently prompt action is necessary, your Chairman would respectfully suggest that authority should be given to the Executive Committee so that it may authorize the Committee on Legislation to act on such matters without waiting for direct authority from the Association, provided always of course that there are sufficient funds in the treasury to cover expenses. It may be deemed advisable to take further action in relation to the laws of Oklahoma, Wyoming, and Pennsylvania, and it is believed that the Executive Committee should



Form of transportation at Jackson and Perkins excursion.

have power to decide whether action should be taken, unless the Association at this meeting wishes to authorize action by the new Legislative Committee. The following is the proposed act to govern inspection of imported stock.

#### AN ACT

**To provide for the inspection of nursery stock and to authorize the Secretary of Agriculture to establish a quarantine against the transportation in interstate commerce of diseased nursery stock or nursery stock infested with injurious insects, and making an appropriation to carry the same into effect.**

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled:

That all nursery stock, brought into the United States, including field-grown florists' stock, trees, shrubs, plants, vines, cuttings, grafts, scions, buds, pits, or seeds of fruit and ornamental trees and shrubs, shall be subject to inspection by official experts of the Department of Agriculture at final destination on the premises of the owner or consignee.

SECTION 2. That any transportation company, person, or persons who shall receive, bring, or cause to be brought into the United States any nursery stock, including field-grown florists' stock, trees, shrubs, plants, vines, cuttings, grafts, scions, buds, pits, or seeds of fruit and ornamental trees and shrubs, shall, within twenty-four hours after the arrival thereof, notify the official expert of their arrival and delivery to consignee. The official expert or his repre-



sentative is hereby authorized and empowered to enter into any warehouse or premises of consignee or owner, where such nursery stock or other described articles are received for the purpose of making the inspection or examination herein provided for, and such examination shall be made within five days from such arrival thereof.

SEC. 3. That each case, box, package, crate, bale or bundle of nursery stock, including field-grown florists' stock, trees, shrubs, plants, vines, cuttings, grafts, scions, buds, pits, or seeds of fruit and ornamental trees and shrubs, imported or brought into the United States shall have plainly and legibly marked thereon the name and address of the shipper, owner, or person forwarding or shipping the same, and also the name and address of the person, firm, or corporation to whom the same is forwarded or shipped, or his or its responsible agent.

SEC. 4. That when any shipment of nursery stock, including field-grown florists' stock, trees, shrubs, plants, vines, cuttings, grafts, scions, buds, pits or seeds of fruit and ornamental trees and shrubs, imported or brought into the United States is found infested with injurious insects or their eggs, larvæ, or pupæ, or with tree, plant or fruit disease or diseases, the contents of boxes or bales so infested or diseased may be disinfected at final destination on the premises of the owner or consignee, under the supervision of the official expert. After disinfection has been so performed in a manner satisfactory to the official expert, the trees, vines, or other articles shall then be released. If it be not practicable to fully disinfect such stock, such portion of it as shall be infested shall be destroyed.

SEC. 5. That upon complaint or reasonable ground on the part of the Secretary of Agriculture to believe that any nursery stock, including field grown florists' stock, trees, shrubs, plants, vines, cuttings, grafts, scions, buds, pits, or seeds of fruit and ornamental trees and shrubs grown within the United States, are infested with injurious insects or diseases new to the United States and likely to become subjects of interstate commerce, the Secretary of Agriculture shall cause the same to be inspected by a qualified expert, and, if need be, the trees or plants found infested shall be placed under quarantine until such infestation is removed.

SEC. 6. That it shall be unlawful for any person, persons, or corporation to deliver to any other person, persons, or corporation, or to the postal service of the United States (except for scientific purposes, and by permission of the Secretary of Agriculture) for transportation from one State or Territory or the District of Columbia to any other State or Territory or the District of Columbia, or for exportation to any foreign country, any trees, plants, shrubs, vines, or other nursery stock which are under quarantine in accordance with the provisions of section five of this Act. Any person, persons, firm, or corporation who shall in any way violate the provisions of this Act, shall be deemed guilty of a misdemeanor, and on a conviction thereof shall be punished by a fine not to exceed five hundred dollars nor less than two hundred dollars or by imprisonment not to exceed one year, or both, at the discretion of the court.

SEC. 7. That the rules and regulations herein provided for shall be promulgated on or before the first day of June each year.

SEC. 8. That the sum of . . . . . dollars, to be available on the the . . . . day of . . . . ., nineteen hundred and . . . . ., or so much thereof as may be necessary, is hereby appropriated, out of

any moneys in the Treasury of the United States not otherwise appropriated, to carry into effect the provisions of this Act.

SEC. 9. That this Act shall take effect on and after the . . . . day of . . . . ., nineteen hundred . . . . .

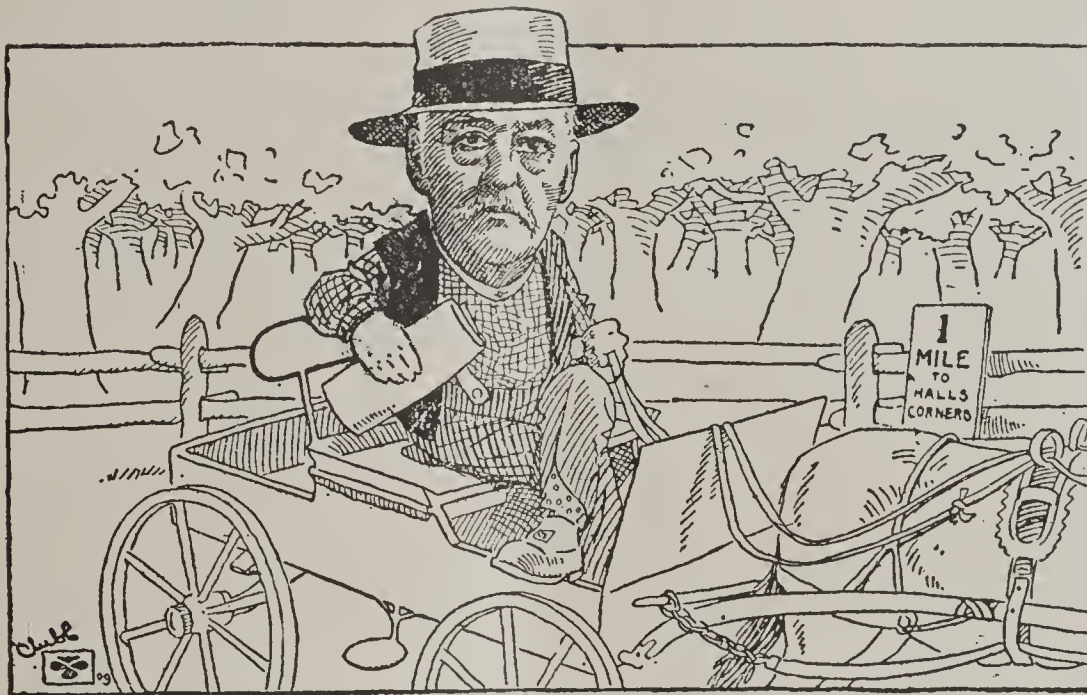
SEC. 10. That the provisions of this Act shall not prevent the inspection of any nursery stock or other described articles by the authorized inspector of any State or Territory, at the final point of destination in accordance with the laws of such State or Territory.

#### EXHIBITS COMMITTEE

Mr. President and Members of the American Association of Nurserymen:

I have the honor to present to you my report as Chairman of the Exhibition Committee. Same simply being a list of the exhibitors and an outline of what each exhibited.

American Fruits Publishing Co., Rochester, New York sample copies "American Fruits;" P. J. Berckmans Co., Augusta, Georgia, assortment of evergreens in tubs, including Biotas, Azaleas, etc.; C. Betscher, Canal Dover, Ohio, large collection of Paeonia flowers in many varieties; E. C. Brown Co., Rochester, New York, two horse power nursery stock sprayer, nozzles, and small spray pumps; M. Brunswick & Co., Rochester, New York, hand painted lithographed and colored photograph plates of trees, shrubs, flowers, fruits, etc. Also bindings, maps, etc.; The Benj. Chase Co., Derry Village, N. H.; Tree labels, plain, painted, printed and wired; John Charlton & Sons, Rochester, New York, collection of paeonies in a large assortment of varieties. Rhubarb "State Monarch," "Perfection" and "Hawks Champagne;" Chase Nursery Co., Huntsville, Alabama, Nurserymen's supplies, such as budding and pruning knives, pruning shears "Mattie Mule Mittens" and tree Callipers. "Dig Eazy" hoe. Fruit trees and Tree Althea. Clark Nursery Co.,



J. B. Wilson.

Rochester, New York, North Carolina Natural Peach Seed; Clinton Falls Nursery Co., Owatonna, Minn., Soil Firmer and Opener for planting cuttings and grafts; Dayton Fruit Tree Label Co., Dayton, Ohio, Wooden Tree Labels, plain, painted and printed. Pot label, etc.; L. F. Dintelmann, Belleville, Illinois, Tree Bailer; Ellwanger & Barry, Rochester, New York, Collection of Japanese Maples and Evergreens, in tubs; The Fruit Grower, St. Joseph, Mo., Copies of the "Fruit Grower" and other printed matter; Nathan R. Graves, Rochester, New York, photographs of Horticultural subjects; J. G. Harrison & Sons, Berlin, Maryland, Evergreens in tubs, and an assortment of fruit trees; Hickory Seed Co., Hickory, N. C., Natural Peach Seed and Cow Peas; D. Hill, Dundee, Ills., Evergreens and Evergreen Seedlings; Horticultural Publishing Co., Boston, Mass.; Sample copies of "Horticulture"; Jackson & Perkins Co., Newark, N. Y., samples of Tree Hydrangea, Clematis and Roses; Paul C. Koeber Co., New York City, New York, samples of Nursery plates; J. Frederick Lec. Rochester, New York, samples of Colored plates and Leather Goods; The MacMillan Co., New York City, New York, copies of Bailey's Cyclopaedia of Agriculture and of Bailey's Cyclopaedia of Horticulture; The McFarland Organization, Harrisburg, Pa., samples of Catalogues, Photographs, Colored plates, and other "selling literature." B. G. Pratt Co., New York City, New York, samples of "Scalecides;" McHutchison & Co., New York City, New York, samples of "Red Star", "Arrow" and other brands of Raffia; J. W. McNary, Dayton, Ohio, samples of



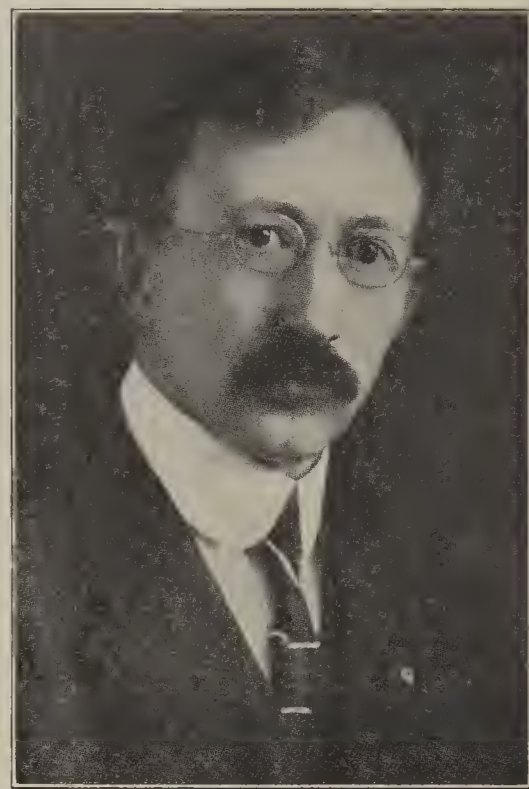
Hydrangea Arborescens Grandiflora in bloom in tubs; Thomas Meehan & Sons, Inc., Dresher, Pa., stout 15 feet Bamboo Poles, used for staking trees, "Handy" and "Handy, Jr." Tree Callipers Colored plates of "Meehan's Mallow Marvel," bale of "Red Star" brand Raffia; National Fruit Grower, St. Joseph, Mich., Copies of the "National Fruit Grower"; National Nurseryman Publishing Co., Rochester, New York, sample copies NATIONAL NURSERYMAN; Niagara Sprayer Co., Middleport, New York, Nursery Sprayer and Greenhouse Sprayer; The Ohio Nursery & Supply Co., Elyria, Ohio, samples of Printed Paper Labels; Perfection Planter Co., Carleton, Mich.; Peach Pit Planter; Rochester Lithographing Co., Rochester, New York, Plates and Plate Books; Vincennes Nurseries Vincennes, Ind., samples of Cherry trees; J. Schuler, Cleveland, Ohio, Spray fluid, "Aptelite" "Soil Fumigant;" Stecher Lithographic Co., Rochester, New York, Colored plates, catalogues, etc.; G. C. Stone, Dansville, New York, Willow and Twine knotting machine; Vredenburg & Co., Inc., Rochester, New York, Colored plates, Catalogues and general advertising matter; Webster & Albee, Rochester, New York, colored photograph plates; White's Class Advertising, Chicago, Ills., advertising matter; C. M. Hooker &

The principal lines of stock propagated and pushed by the company are apple stocks, apple trees and forest tree seedlings, to which are added a general line of nursery stock. This firm now cultivates about 1000 acres in nurseries and orchards.

Mr. Stannard has by no means confined his time and energies to the growing of plants. He is an orchardist in two states, having extensive plantings in both Kansas and Colorado. In 1908 he was elected to the Kansas Senate, where he is at present chairman of the important committee on Ways and Means. He has been active in local affairs in his home city and is called upon as a public spirited citizen to further projects of general interest. It goes without saying that the business of the Association will be carefully and conscientiously promoted during the term of Mr. Stannard's office holding.



F. H. Stannard, President of American Association of Nurserymen.



W. P. Stark, Vice-President.

Sons, Rochester, New York, plants of "Perfection Currant" in tubs, also fruit of same in alcohol; L. J. Farmer, Pulaski, New York, plants of "Norwood" Strawberry.

Respectfully submitted,

THOMAS B. MEEHAN, Chairman  
CHARLES J. MALOY.

#### PRESIDENT F. H. STANNARD

The president of the American Association of Nurserymen was born in Erie County, Illinois. As a small boy he reversed the general order of travel and moved east to Warren County, Pennsylvania. His school days were spent in Jamestown, New York. It was in 1879 that he returned to the west and took up his residence in Ottawa, Kansas, where he formed a partnership with Mr. Brewer under the name of Brewer & Stannard. He has been continuously in business in that location up to the present time. The present firm name was taken when the business was reorganized in 1900.

#### OFFICERS FOR 1909-10

President, F. H. Stannard, of F. H. Stannard & Company, Ottawa, Kansas.

Vice-President, W. P. Stark, Secretary of Stark Brothers Nurseries and Orchard Company, Louisiana, Missouri.

Secretary, George C. Seager, Rochester, N. Y.

Treasurer, C. L. Yates, Rochester, N. Y.

Executive Committee: J. H. Dayton, of Storrs & Harrison Co., Painesville, Ohio; E. M. Sherman, Sherman Nursery Co., Charles City, Iowa; H. B. Chase, Chase Nursery Co., Huntsville, Alabama.

Committees to be announced later.

Vice-Presidents: Alabama, W. F. Heikes; Colorado, A. M. Ferguson; Connecticut, J. V. Barnes; Florida, G. L. Taber; Georgia, L. A. Berckmans; Illinois, Guy A. Bryant; Iowa, A. F. Lake; Indiana, J. K. Henby; Kansas, J. H. Skinner; Kentucky, L. E. Hillenmeyer; Maryland, Howard Davis; Massachusetts, A. E. Robinson; Michigan, C. A.



Ilgenfritz; Minnesota, E. W. Reed; Montana, W. F. McMurray; Missouri, Geo. S. Johnson; Nebraska, Geo. A. Marshall; New Hampshire, John C. Chase; New Jersey, S. E. Blair; New York, William Pitkin; North Carolina, J. Van Lindley; Ohio, J. H. Dayton; Oregon, S. A. Miller; Oklahoma, J. A. Lopeman; Pennsylvania, William H. Moon; South Dakota, Geo. H. Whiting; North Dakota, Oscar H. Will; Tennessee, E. W. Chattin; Texas, J. R. Mayhew; Virginia, W. T. Hood; Wisconsin, T. J. Ferguson; Mississippi, S. W. Crowell; Utah, P. A. Dix.

absence. His report was presented by Secretary Fewkes. In this he suggested that the work of the committees on nomenclature be assisted by the members as far as possible and that the general culture of the peony should be considered at each meeting by special papers on its various phrases.

The Secretary presented a printed report of the proceedings of the Society to date. Thus we have a complete record of the society from its organization in 1903 up to the present time. The Society is deeply indebted to Mr.



Leading members of the American Peony Society at Cottage Gardens Nurseries. President B. H. Farr, third from left in front.

### THE AMERICAN PEONY SOCIETY

The seventh annual meeting of this Society was held at the Cottage Gardens Nursery Co., Queens, L. I., June 11 and 12. The society held its meeting under most agreeable circumstances. The office of the Cottage Gardens Company afforded at once all the facilities of a convention hall and a restaurant. In the field immediately adjacent to the exhibition hall there was a splendid collection of peonies in different stages of development. Certain of these had been set out only two years while others were thoroughly established. By comparison the influence of stage of development was clearly discernible.

The exhibits were staged the first day and judged early the following morning by Messrs. Fewkes and Thurlow of Massachusetts and Bryant of Illinois.

The President Mr. C. W. Ward was prevented by illness from being present. Professor Craig presided in his

Fewkes for this evidence of his deep interest in its welfare.

Mr. R. T. Brown, Manager of the Cottage Gardens Nursery Company ably represented Mr. Ward and proved himself a most agreeable and thoughtful host.

The report of the committee on nomenclature was given by Professor Craig and Mr. L. D. Batchelor who has immediate charge of the Peony plots at Cornell. Professor Craig drew attention to the publication of a bulletin giving the culture, history and botany of the peony together with accurate descriptions of a select list of varieties which appeared to be authentic and correct. He emphasized the statement that the Cornell plots were not designed to demonstrate ideal conditions for growing the peony, but rather to give average conditions under which average results might be secured. Optimum conditions in the way of food or soil would give results which would be misleading in the majority of cases.



Mr. Batchelor drew attention to the desirability of discouraging the introduction of varieties in a haphazard way. He suggested that a score card should be devised with which to test all new kinds offered to the trade. These varieties should be passed upon by a special committee whose duty it should be to consider quality and value as well as the question of nomenclature. The committee on nomenclature was authorized to study collections at Mr. B. H. Farr's, at Cottage Gardens Nursery Company and at Cornell for the purpose of hastening the work.

The principal prize winners were Mr. B. H. Farr, Reading, Pa. and Mr. Peterson, New Jersey.

The following officers were elected:

Hon. President, C. W. Ward; President, B. H. Farr, Reading, Pa.; Secretary, A. H. Fewkes, Newton Highlands, Mass.; Treasurer, J. H. Humphreys, Chestnut Hill, Pa.

#### PAPERS AND ADDRESSES

Among the more important addresses were those of S. C. Moon, Morrisville, Pa., Dr. L. H. Bailey, Cornell University, Ithaca, N. Y., Dr. W. H. Jordan, Experiment Station, Geneva, N. Y. and Mr. L. A. Berckmans, Augusta, Ga. Mr. Moon's paper deserves the most careful reading. In it he talked in a discriminating way on the values of ever-green conifers. This paper will bear careful study.

Under the head of the "science point of view," Dr. Bailey presented a philosophic discussion of the changing attitude of man towards his surroundings. He believed that the opportunity for the nurserymen to hasten the coming of a saner outlook towards country life was large and important.

Dr. Jordan's address was a plea on behalf of Experiment Station investigators for larger opportunity to conduct continuous and consecutive research work.

### COMMERCIAL PEACH ORCHARDING

L. A. BERCKMAN, AUGUSTA, GA.

To make a financial success of commercial peach orcharding requires much work, both mental and physical. The man must be a good tiller of the soil, should understand plant life, know how to kill bugs, and fight to a finish those insidious and invisible atoms of destruction known as microbes and fungous germs; he must have a good business head; and I have known occasions when he must be somewhat of a politician. Therefore, to reach the point of success worked for, the peach orchardist must be a man of various qualifications.

#### SOIL AND LOCATION.

The two first important points to be considered are soil and location.

It is generally conceded that a sandy loam with a porous red clay subsoil within 18 to 24 inches of the surface is the ideal soil for a peach orchard; however, there are many profitable orchards upon some rather heavy clays and some on deep and drifting sands.

In selecting the site for the orchard; always have in view the fact that the elevated areas are the most desirable. These catch every movement of the air and are therefore drier; and the fruits on these exposed points will frequently escape that bugbear of the orchardist—the late spring frost—whereas the fruit in the lower and protected sections will be frozen. By elevated areas I do not mean to convey the idea that these shall be small hills; but elevated, exposed, and well drained plateaus; another great advantage in favor of such location is that the fruit will ripen much more uniformly

thereby enabling the orchardist to harvest the crop in a shorter period and more economically. In the peach belt of the South, I have never noticed any material difference in the exposure; except where sheltered by woods, and this is a decided disadvantage, as in such locations spring frosts are usually more destructive; but in the colder regions a northern exposure is generally the best; due to the fact that this northern exposure will in a measure retard the blooming period.

In the Michigan peach belt, orchards adjacent to the lake bloom later than those a short distance removed from the influence of the icy air of the water; but in the peach belt of the South; it is injudicious to set a peach orchard near a lake or pond, the liability to spring frosts and attacks of brown rot is far greater than to an orchard at a distance from water.

#### PREPARATION OF THE SOIL.

If the land is fresh and has just been cleared, it should be cultivated at least two years in some crop adapted to the locality. In preparing the land, I would emphasize the importance of removing stumps, roots, and other debris, as this impedes cultivation; and furthermore are harboring places for insects and other pests. Should this new land be too rich for peaches, the fertility could be reduced by planting it in corn or some other exhaustive crop for a year. However, if it is old and worn out, it should be restored to a state of fertility before setting out the trees. The land should be broken up to the proper depth with a two-horse plow. If necessary, follow with a subsoil plow; sow in crimson clover or cowpeas, or plant potatoes or some other crop which will require some fertilization. In early winter turn under the cover crop. Excellent results have been derived from the following treatment.

After the land has received the proper plowing and subsoiling, broadcast or drill in peas in May, using one bushel to the acre and an application of 300 to 400 pounds of good fertilizer to the acre will materially increase the growth. When this cover crop is matured, break up the vines by running over with a cutaway harrow, then turn under with a two-horse turnplow. Now as the depth of the soil has been increased, the land can be plowed to a greater depth than the previous plowing; subsoiling it if necessary, and in the autumn of the second year your land is ready for the orchard. I cannot too strongly emphasize the necessity of deeply and thoroughly plowing peach lands, because after the trees are planted and are in growth the ground cannot be plowed deeply. Should there be any sections in the orchard where the topsoil has been washed away, these areas must receive careful and special attention. Such places being devoid of humus it must be replaced by a liberal application of stable manure or compost; and should be put in peas or clover. In two years' time, by treating as above mentioned, these depleted areas can be restored to a state of fertility.

#### PLANTING

Having now arrived at the planting period—which is best done in the fall, so soon as the trees are thoroughly matured—although planting can be done safely during the winter, any time when the ground is not too wet or frozen.

The land should be cross sectioned and two foot holes dug at the intersections. 18 by 18 feet is the favorite distance; but in heavy soils increase the distance. When digging the hole throw the top soil to one side, use a liberal amount of well decomposed stable manure to each hole and have this thoroughly incorporated with the soil. If stable manure is not available, then use from one to two pounds of bone meal, or the same quantity of a mixture of two parts pure bone meal to one part of cotton seed meal. When using chemical fertilizers, the best results are obtained by first setting the tree in the hole, then fill up the hole one half its depth, apply the fertilizer, but mix it thoroughly with the soil, firm the earth well about the roots of the tree and level off. The tree should be set in the hole about two inches lower than it originally stood in the nursery row.

Always make a map of the orchard and let this show the number and varieties of trees.



## VARIETIES

These are of vital importance. Plant only such as you know to be adapted to your locality. A variety highly successful in a certain section may be a dismal failure in another. If you are planting several varieties, select them so that one will immediately follow the other; or better still—have the season of ripening overlap. In this manner you can keep your help continually busy. Nothing is so demoralizing to your orchard force as to have idle periods between the ripening of the different varieties.

Plant the sorts in their respective order of maturity. It will save you time and money.

Never plant less than 5,000 trees of a variety—this number will cut out nearly all of the express shipments—which are usually devoid of profit—owing to the high rate and the careless manner in which the express people handle the packages.

## CULTIVATION.

Thorough cultivation is absolutely necessary for the success of the orchard. For the first three years, or up to the bearing period, peas, melons, potatoes, or some other hoed crop adapted to the locality should be planted in drills between the trees; leave at least four foot space between the tree and the crop.

It is, of course, understood that the trees should be frequently cultivated under certain conditions, even more than the crop.

The soil under the tree should be kept loose and friable; and this work entrusted only to careful and painstaking men, as thousands of young trees are annually injured by having the bark bruised by careless hoeing and plowing.

We will now assume that the orchard has arrived at the bearing period; and this is the signal for clean and constant cultivation. The orchard should be broken up in early winter, the middles plowed to a depth of 8 or more inches, but when approaching the tree, the depth of the plowing must be lessened so as not to mutilate the roots.

So soon as the first grass is in evidence, start the orchard cultivators and keep them going to within three weeks of the ripening period. This applies to an orchard which is in a good physical condition. If a thrifty orchard is cultivated too near to the time at which it will mature its fruit, the foliage becomes too dense and sufficient sunlight is not admitted to the fruit to give it the proper color, which is a most important factor governing the quality and price. If, on the other hand, the orchard has not made a satisfactory growth and the fruit is off in size, then the cultivations should be frequent and continued up to the time of ripening. All summer cultivations should be shallow.

Immediately after the crop has been harvested, the cover crop should be put in and this turned under in late fall or early winter after a killing frost. The Cutaway, Acme and California orchard extension harrows and weeders are the best and most economical tools.

## PRUNING .

Upon proper and intelligent pruning will depend in a great measure the success of your orchard. In the southern section of the peach belt, trees should be headed low when set out; 18 to 24 inches above the ground being the best height.

After the newly planted tree has put out a growth of 1½ to 2 inches rub off all of the three upper shoots. These should be so distributed about the tree that it will be well balanced. The early rubbing off of the surplus growth cannot be too thoroughly emphasized. It is a great saving of time to do this before the young growth becomes tough. It is also not so severe a shock to the tree. The orchard should be gone over twice or more during the growing season and all superfluous growths rubbed out. If these growths are allowed to attain some length, it is then necessary to use a pruning knife which is a slow and more expensive operation. The tree having been set to three limbs so that it is well balanced, one half to one third of the previous year's growth of these limbs should be removed during winter, and the tree pruned so that it will have a broad open head, thus admitting to the center of the tree, light and air. Should the tree have a rank and vigorous growth, the surplus



Fred M. Vick, who supervised decorations at Rochester meeting.

wood should be removed during summer, but it is not advisable to cut a limb over three fourths of an inch in diameter at that season. Summer pruning, I find is economical and at the same time, a pruner can see where the foliage is too heavy. The pruning should be done annually during the winter months, when the wood is thoroughly dormant. In the milder peach belts of the South, the pruning can be commenced in early winter; but in the northern and colder sections, it should not be done until the period of severe freezes is passed. All wounds due to the removal of limbs over one inch in diameter should be disinfected with a solution of copper-sulphate, one to five gallons water; then painted with any heavy, lead paint. All cuts must be made close to an eye, and the eye should be left in the direction it is desired that the new limb should grow. In removing limbs, do not leave stumps, but make neat, clean cuts and always in a line with the trunk or limb. Care should be exercised not to cut out too much of the fruiting wood.

By carefully following these directions, better fruit and longer life to the tree will result.

## PEACH TREE BORER

The old method of "worming" peach trees during winter has been found ineffective, principally because the worms caused too much damage before being removed. In early spring the earth should be removed from about the body of the tree down to the crown and all gummy exudations scraped off and a careful search made for the borer. For this purpose use a farriers knife or a tool especially made for scraping peach trees. Apply a wash to a height of 18 to 20 inches allowing this to run down well on the roots. As soon as this wash is applied draw up the earth to the trees, forming a cone about six inches above the level. A second application of this wash should be applied during August, if the first wash begins to get thin. During the last of October, remove the mound from around the trees and thoroughly scrape and clean the bark as in the spring, and give another application of the wash. This is a vigorous treatment, but very effective. The wash above mentioned is made as follows: One bushel of quick lime, 20 pounds of sulphur, one gallon of coal tar, 50 gallons of water. Mix tar and sulphur in 10 gallons of water in barrel, add lime, keep well stirred. When entirely slacked dilute to 50 gallons.

## FERTILIZATION

For the first two years the growth of the orchard should be stimulated as much as possible by an abundant supply of phosphoric acid and nitrogen, but care should be exercised not to give an excess of nitrogen. This is readily distinguishable by the vigorous growth, and the dark green color of the leaves. An excess of



nitrogen will also produce an exudation of sap, and immature ripening of the twigs, which are frequently winter-killed. When the tree shows a pale color it indicates a lack of nitrogen. In such cases an application of stable manure is beneficial. A most excellent chemical fertilizer to use at this period is a mixture of 1400 pounds of pure ground bone and 600 pounds of cotton seed meal. Apply broadcast or in furrows on opposite sides of the tree at the proper distance from 2 to 4 pounds of this mixture, according to the size of the tree. When the bearing period is reached potash is needed. This can be supplied in the form of muriate or sulphate of potash. A good formula is a fertilizer analyzing 10% available phosphoric acid, 1% ammonia, and 10% potash. Apply 3 to 5 pounds, according to the vigor and size of the tree. This is best applied in February or March, or just before active root growth commences. Hardwood ashes, when obtainable, is a most excellent and economical fertilizer. If the trees receive too much phosphoric acid and nitrogen the growth will be excessive, and fruit will lack color, and it will be very susceptible to brown rot; in this case ashes or potash fertilizer should be liberally applied.

#### THINNING

This is a most deceptive undertaking. It should be started just before the pit begins to harden, and after the completion of the natural drop. It is, indeed, hard to realize when thinning that the little peaches will attain a diameter of  $1\frac{1}{2}$  to  $2\frac{1}{2}$ , and frequently 3 inches; consequently, the thinning process is not always sufficiently severe. Some varieties should be so thinned that when the fruit matures there should be at least 4 to 6 inches between each specimen. This may seem unduly severe, but it will give you better results in every way, and at the same time add to the healthfulness and life of the tree. Your entire crop of fruit will be of merchantable size, and you will not have a lot of undersized and worthless fruit. All peaches removed from the tree should be carried to the dump and burned, as much of the fruit thus thinned contains the eggs of the curculio, and by burning, future crops of curculio are destroyed. Thinning the fruit, in connection with the proper pruning, cultivation, fertilization and spraying, will keep the peach orchard in first-class physical condition, and, barring frost and storm, there is no reason why your orchard should not produce a good crop annually. Off years in a fruit crop are due to neglect in observing the above important duties.

#### CURCULIO

This "little turk" is the cause of the loss of many carloads of fruit annually, and vigorous warfare should be waged against this pest. Wild plum, crab apple and haw trees are excellent breeding places for this insect, and the careful cultivator will see that such trees are removed from the vicinity of the orchard. It is also well to remove all woods adjoining the orchard. If this is not practicable, the woods should be burned over in the late winter so as to kill all the undergrowth. All stumps, roots and pieces of bark and other debris in the orchard should be removed as these afford hibernating places for the curculio. Another way to destroy the curculio is to jar the trees, catching the insects on cloth-covered frames especially made for the purpose. This jarring should be done early in the morning and late in the afternoon when the curculio is dormant. The jarring should commence as soon as the fruit is set, and should be continued as long as necessary. Spraying for curculio has not been entirely successful; but if 2 pounds of arsenite of lead added to 50 gallons of Bordeaux is used when spraying for brown rot, many curculios will be destroyed. All fallen fruit should be gathered and burned.

#### BROWN ROT

This is one of the greatest problems confronting the fruit grower. Many orchardists do not believe in spraying, as the results obtained have been unsatisfactory, and in many instances the results have been fatal to the trees. Not infrequently the spraying is entrusted to the most trifling and careless help on the farm, whereas, this should be done by the most careful and intelligent man. The spray

should be thoroughly distributed over the tree, but not in such copious showers that the liquid will drip from the leaves, nor run down the trunk of the tree in streams. Spray properly or omit it altogether. Another most important feature in reducing the ravage of brown rot and visitations of the curculio is the removal of all fallen fruit. During the harvesting season the orchard should be gone over carefully at least twice a week, and all the fallen fruit gathered up and carried to the dump and burned. After the crop is harvested it is well to go over the orchard and cut out all twigs showing the effects of brown rot. These twigs, like the fruit, should be cremated. I would state that the following treatment has given good results:

- 1st. Remove all mummified fruit, should there be any on the tree.
- 2d. Spray in winter with lime and sulphur.
- 3d. When in full bloom prune out all twigs and blossoms affected with Rot.
- 4th. When fruit is well set, spray with Bordeaux 3-9-50.
- 5th. Ten days later Bordeaux 3-9-50.
- 6th. Ten days to two weeks later Bordeaux 3-9-50.

The same spray should be continued at intervals of ten days to two weeks until the fruit begins to ripen. If the Bordeaux is carefully applied there is no material injury to the foliage, but if milk of lime is used three days after an application of Bordeaux, the shot-holing of the foliage will be greatly reduced.

#### SAN JOSE SCALE

The more orchards, the greater is the number of insects and fungous diseases. It seems that with the advance of civilization both the vegetable and animal kingdoms are being continually attacked by new diseases. When the San Jose Scale first appeared upon our shores we thought the fruit industry was doomed; but, thanks to the Entomologist, this pest can be kept within bounds. If we spray with lime and sulphur solution in the fall so soon as the trees have been pruned the scale can be kept in check; but if the orchard is badly invested, a second spraying in the spring before the buds begin to swell will be of untold benefit.

#### PICKING AND PACKING

The harvest time has now arrived and the orchardist is ready to reap the reward of his three, maybe four, years of labor, expense and patience. The picking must be carefully done; the pickers should be in gangs of thirty or forty, with a thoroughly competent field boss in charge of each gang. He should see that each picker carefully removes the peach from the tree by twisting the fruit, and that it is placed (not dropped) in the basket. The baskets should be promptly hauled upon especially constructed spring wagons to the packing shed, and there uniformly graded by hand. All fruit showing the least defect must be discarded. The grader should carefully place each peach in its respective bin; the packers deftly place the peaches in the baskets in the standard carrier crate. No false packing should be tolerated; every peach packed should be perfect and of its respective grade. Too much stress cannot be laid upon the importance of uniformity in packing. The first peach placed in the crate must be a standard governing every specimen filling the crate of that grade. The fruit should be so placed in the basket that one does not rest upon another; in other words, they should rest in the cavities. The stem ends should all point in the same direction, and the blushing cheeks be in sight. Do not be afraid to give full measure. It pleases the buyer, and, furthermore, a full crate carries better than one loosely packed. Use a neat package, and brand on same the variety and grade. Let your label be neat, but not flashy. Establish with your first shipment a reputation for honest and uniform packing and grading, and thereby reap the reward of your labor.

The annual loss to the fruit grower and to the country at large arising from the destructive work of various insects can only be measured in millions. Careful attention to the needs of the trees and proper methods to exterminate or check the spread of the in-



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## THE STUDY OF PLANTS

This is preeminently the time when the plantsman should travel with a note book in his pocket and an ever-ready pencil. Greater opportunity is presented at this time for collecting notes of practical value and immediate application than at any other period of the year. During the months of June and July large groups of the important ornamentals occupy the center of the stage, as it were. During this period the masses of lilacs, the attractive syringas, the old-fashioned peonies (as well as new-fashioned ones), the ever-increasing number of roses and the large family of spireas constantly challenge our attention and invariably claim our admiration. Now is the time therefore, to study these varieties and to criticise them from the standpoint of their uses and adaptations. Nurserymen, seize the opportunity!

## THE CONVENTION

It is perfectly just to say that the Thirty-fourth annual convention of the American Association of Nurserymen proved to be an unqualified success. The attendance was large, the weather pleasant, the program instructive and practical, and the hosts were royal entertainers. The program covered an exceedingly wide range and was aimed to meet the needs of the practical grower as well as those who are concerned more particularly in the business and economic aspects of nursery enterprises. From the legal technicalities of the report of the legislative committee to the poetical effusion of "Papa" Josselyn's contribution was a far cry, representing, as it were, the versatility of talent in the membership of the association.

On the whole, the meeting was an exceedingly attractive occasion. Important points on tree growing, on business management and on advertising were to be gathered by the open-minded student. The papers and the exhibits both gave ample opportunity to the searcher for information, and gave points to the experienced as well. Many nurserymen remained over after the convention to visit their brethren in the vicinity.

## PLANT PARASITES

The season of 1909 promises to be no exception to many of those which have preceded it in furnishing a full quota of enemies of vegetation. Plant lice are abundant at the present time. They are infesting orchard and nursery stock very freely. On orchard trees, usually the attack is not serious, though in cases of bad infestation fruit is malformed and the crop generally lessened in quantity by reason of their pressure. On young orchard trees and on nursery stock, growth is seriously retarded, and earnest efforts should be made to destroy them. It is probable that whale oil soap at the rate of one pound to five or six gallons of water constitutes the most practical remedy available. Tobacco water, to which may be added a small amount of whale oil soap is also a specific. Probably the miscible oils could be used, but we are not aware that they can be recommended in specific strengths strong enough to destroy the aphids and yet not injure the foliage. At the present time an epidemic of apple scab is reported



in Western New York and the conditions have been favorable for the growth of this disease in many of the apple sections of the north-east. Of course, the remedy for this old-time enemy at this period of the year is Bordeaux mixture. It is possible that by the close of the present season, plant pathologists may be ready to recommend an alternative remedy, but up to the present Bordeaux mixture is the standard.

**DENVER OR ST. LOUIS IN 1910. MEETING PLACE UNDECIDED** In nominating officers for the ensuing year, the vice-presidents reported in favor of holding the next meeting at St. Louis. The report of the vice-presidents was adopted so far as the officers were concerned, but an amendment was presented to substitute Denver for St. Louis.

This amendment was rejected by a close vote. The matter then seemed to be settled, but the following day the sentiment in favor of St. Louis for 1910 had apparently strengthened, for on a call for reconsideration of the question the Denverites appeared to be in the majority. Owing, however, to the absence of a considerable number of those who were in favor of St. Louis the preceding day it was agreed to postpone the settlement of the question and submit it by correspondence to the members of the Association securing in this way a vote by mail. The secretary has been instructed to do this.

The question now is, Shall it be Denver or St. Louis? Each place has certain advantages. If the Association is to select a place of meeting on the basis of a central location and general accessibility alone, certainly St. Louis has the greater advantages. If chosen on account of intrinsic attractions, however, then in our opinion Denver would certainly win out. St. Louis is central, easy to reach, and fairly well equipped with hotels, but has the reputation of often furnishing a red hot climate in June. Denver is somewhat remote from great nursery plants, but lies in a region of extensive orchard interests which differ in point of management very materially from those in the east or south. New educational features will therefore be presented. The climate on the other hand is likely to be agreeable and the city has unique attractions.

If the people of Denver want the 1910 meeting of the American Association of Nurserymen, they should present such an invitation to our executive as will insure a welcome and all facilities for holding the meeting. We have no doubt that in case the association decides in favor of the City of the Rockies, everything necessary to the holding of an agreeable and successful convention will be forthcoming.

## THE SEASON

### GATHERED IN THE CORRIDOR

TEXAS NURSERY COMPANY, Sherman, Texas.

General fruit prospects poor in Texas. Light crop or no crop at all. Prospects of a pecan crop fair to good. Growth of nursery trees excellent.

J. G. HARRISON & COMPANY, Berlin, Maryland:

The fruit crop on the eastern shore will be light this season. In the mountain regions, particularly in West Virginia, a good crop of peaches is maturing. The season for growth of nursery stock could hardly be improved.

DAVIS NURSERY COMPANY, Baltimore, Maryland:

Excellent growing season; fine prospects for a good stand and large stock in all lines.

HUNTSVILLE WHOLESALE NURSERIES, Huntsville, Alabama:

The season has been exceedingly favorable for the growth of nursery stock. The plant of the year is large and the outlook for good, clean stock is excellent.

WEBER NURSERY COMPANY, Nursery, Missouri:

The prospects for a crop of fruit in Missouri unfavorable; the apple crop will be light and the peach crop is disappointing. Unfavorable conditions at setting time is the cause. On the other hand, the season for the growth of nursery stock has been most favorable, and the outlook is promising.

BROWN BROTHERS COMPANY, Rochester, New York:

While the season has been somewhat backward, the conditions for a vigorous, healthy growth of nursery stock have been favorable; the plant in the vicinity of Rochester is large, and nurserymen in this vicinity will come into the market well equipped to meet the demands of the trade.

The fruit crop of Western New York promises to be up to the standard although reports indicate that aphid has done considerable damage in apple orchards, and the black spot is prevalent in many sections.

ILGENFRITZ SONS COMPANY, Monroe, Michigan:

We are glad to report a favorable season for nursery stock. The plant in this vicinity will not be larger than formerly.

COTTAGE GARDENS COMPANY, Queens, New York:

The season is fully two weeks later than usual. Peonies which were in bloom about the first of June did not open up until the 10th or 12th this year. The demand for mature specimens of ornamentals and fruit trees has been keen and seems to be on the increase.

COE, CONVERSE & EDWARDS COMPANY, Fort Atkinson, Wisconsin:

Interest in orcharding in Wisconsin is being greatly stimulated by the activity of the horticultural society. Fruit growing in the northern section is extending. The demand for nursery stock increases. Season favorable.

SHENANDOAH NURSERIES Shenandoah, Iowa:

The plant of apple seedlings in this section is comparatively light, but growth satisfactory so far. Season favorable on the whole.

## CALIFORNIA PEACH BLIGHT

California growers are being hard hit by blights. The Bartlett pear industry is threatened, and the peach industry is suffering severely from the attacks of what is known as California peach blight. A recent bulletin by the Agricultural Experiment Station at Berkeley, No. 191, describes this disease carefully, and gives the results of investigations carried on by officers of that station.





Arbors and pergolas made with fruit trees as pears and apples.  
Fromow & Sons, Windelsham, Eng.

## Note and Comment

### TO SAVE THE PHOSPHATES

The first tangible result from this session of the National Conservation Commission has been in favor of the agricultural interests of the country and the action in question is of widespread, national significance.

The report prepared for the Commission by the United States Geological Survey on the phosphate consumption and supply of the United States showed such a startling condition of affairs that vigorous steps were immediately taken by the Government, the President ordering the withdrawal from entry of the extensive area of phosphate lands recently discovered in the western States. The Geological Survey is engaged in the investigation and examination of mineral deposits but in this instance its work has resulted in the adoption of provisions which are of vital concern to every farm and every farmer in the land. The description of the lands withdrawn, which are situated in Wyoming, Idaho and Utah, was furnished by the Survey as a result of a preliminary examination of the area, and further geologic work will be prosecuted as soon as practicable, in which the lands will be carefully classified and those found to be actually underlain with phosphate will be held, pending action by Congress.

At the present rate of production, it was stated, the known available supply of high grade phosphate rock in the United States will last only about fifty years, and it was pointed out that a large proportion of this is exported for the benefit of foreign farm lands and at the expense of our

own. While there is no method of preventing exportation from the eastern phosphate fields, it is believed to be possible to prohibit export of the western phosphates, since they are found largely on Government lands. This western field embraces the largest area of known phosphate beds in the world, and it is unquestioned that it is absolutely necessary to utilize these deposits solely for the benefit of the farms of the United States.

Phosphoric acid, as is of course well known, is one of the three substances which must exist in the soil to insure plant growth. President Van Hise, of the University of Wisconsin, stated that it had been shown as the result of agricultural experiment station work in Wisconsin, Ohio, and Illinois, that in 54 years certain cropped soils of those States have been depleted of one third of their original phosphoric acid—1080 pounds or 20 pounds per acre annually. Applying this rate of exhaustion to the 400,000,000 acres of cropped land in the United States, it would require 12,000,000 tons of phosphate rock annually to merely offset the loss, or as much as the total amount which has been mined from the Florida deposits.

The rapid rate of increase in the domestic use of phosphate taken in connection with the limited supply is a matter sufficiently serious; but the feature which should arouse the greatest concern and call forth the most vigorous protest is the exportation of nearly half the output. From this exportation the United States received practically no benefit, whereas every pound of American phosphate is needed for American farm lands. The following figures show the steadily increasing production of phosphate rock in the United States:

#### PHOSPHATE PRODUCTIONS IN UNITED STATES

YEAR	TONS
1890 .....	510,499
1900 .....	1,491,216
1905 .....	1,947,190
1907 .....	2,265,343

Of the 1907 production, 900,000 tons or about 40 per cent was exported.

The phosphate rock of South Carolina is nearly exhausted, and the Florida deposits, once popularly considered practically inexhaustible, have reached their maximum production. They will soon begin to decline. Tennessee has comparatively large deposits, but this field alone would at the present rapid rate of increase in production last only, according to the government geologists, eleven years. There is some phosphate rock in Arkansas; but it is of low grade. The large deposits, therefore, of the Public Land States must furnish the most of the phosphate of the future, and to insure the enrichment of our own soil from our own phosphate beds some methods must be devised to prevent the profitable business of its exportation.

This, it is believed, can be done only by the Government's retaining title to the public lands underlain with phosphate and providing for their development by leasing under terms which will forbid exportation. The lands have therefore been withdrawn by the Secretary of the Interior, as an emergency measure, and will be reserved pending action by Congress.



## Book Reviews

**PRONUNCIATION OF PLANT NAMES.** Being a reprint from Gardener's Chronicle 1909; containing a list of generic names prepared by the Rev. C. Butler.

While the list is not exhaustive it is sufficiently complete to meet the needs of most nurserymen and plantsmen. It is a step in the right direction in that it provides a standard for the pronunciation of these Latin names which are often so badly spoken as to be unrecognizable. The volume is issued by the Gardeners' Chronicle and may be secured through this office at a cost of fifty cents.

**SOUTHERN AGRICULTURE.** F. S. Earle. 7¼x5½. 297 pages illustrated; Macmillan Company, \$1.25 net.

This volume written by a man who has spent the active period of his life in the south, largely in experiment station work, discusses the characteristics of southern climate and soil, how the soil should be managed and improved, the principal insects and diseases, marketing products, and remarks on general farm management. This comprises part one. Part two discusses the various tropical and sub tropical crops. The volume will be of value to the man who intends to settle in the south; it is not designed to meet the needs of the teacher or student.

There are some defects in mechanical make-up which the printers should remedy.

## Quiz Column

### STORAGE CELLARS

Your correspondent (northern Iowa) will make no mistake in using the side hill for a storage cellar, only it would be better if the south side was in the ground and only the east end exposed. As it is, the south side and east end should be built with three air spaces to keep out the heat as well as cold. Reinforced concrete or possibly hollow concrete blocks would be the only suitable material. We find it desirable to have windows under the eaves to light the cellar; and sky-lights open to the north are a splendid feature. Probably a lantern running the whole length of the building would be a good way to furnish light and ventilation. It is a great benefit to the cellar to have a building over it as it keeps out the cold in winter and heat in early spring, altho it can be done with a good covering of earth. Our cellar "A" has a building over it and it makes the best kind of room for packing our stock, and the roof of the building keeps out all moisture from the cellar.



Beautiful Surrey. A cottager's home near Windlesham, Eng.

**FARM GRASSES OF THE UNITED STATES.** By W. J. Spillman. Pages, XV plus 248. Illustrated. Publishers, Orange Judd Co. Price, \$1.00.

The book is written by Mr. Spillman, agrostologist of the Bureau of Plant Industry, the U. S. Department of Agriculture. One of the things about the book which impresses us favorably is the stress laid upon meadows and pastures. A full discussion of this phase of grass farming is offered. Following this is a chapter on the seed, in which the quality and characters of seed are taken up. Then there are eight chapters on the principal types of grasses, followed by two chapters on grasses for special conditions, and grasses for lawns, with directions for lawn making. In connection with the discussion of the leading types of grasses, maps are used to show their distribution in the United States. This volume impresses us as being useful, and we are of the opinion that it should be in the hands of all those who are interested in grass culture.

As to the soil in the bottom of the cellar, if it is wet clay I should think a few inches of sand over it would be sufficient. We find that the bottom of our cellar dries out and the stock is more likely to get dry next to the ground than at the top.

If your correspondent will write to us we will be glad to give him the benefit of our experience.

THE JEWELL NURSERY CO.,  
J. M. UNDERWOOD, President.

When you have any problems to solve write to our editor for assistance.



## Obituary

### JUDGE EUGENE STARK

Mr. W. P. Stark of the Stark Brothers Nurseries and Orchards Company, was suddenly recalled from Cornell University, Ithaca, on June 16th, where he was spending a day or two pending Commencement exercises, with which his son William was associated as a member of the graduat-

ing class, by a telegram announcing the sudden death of his cousin Judge Eugene Stark, of the Stark Brothers Company, in St. Louis on the 16th inst. Judge Stark who was well known to the members of the Association of Nurserymen although of large and vigorous frame had been unwell for some time and was finally persuaded by his medical adviser to undergo an operation.

The operation proved to be unexpectedly difficult and complicated, and as a result he expired

while it was being performed. Judge Stark was an active member of this well known nursery firm, though his outside interests were also large. He was well known in the meetings of the American Association, being particularly active at West Baden and at the Dallas convention. His presence will be greatly missed in the councils of the Association, and the sympathy of the members of the Association is offered to the bereaved family.



Judge Eugene W. Stark

## Convention Notes

### THE BADGE BOOK

The Badge Book for 1909 contains 384 names. This is a good record but not nearly good enough. It seems to us that the list should never fall below 500 and we see no good reason why a thousand names should not appear in this book. We appreciate the fact that the secretary has exercised his best efforts to secure these names. The onus then falls upon the nurserymen who do not seem to appreciate the advantages of such record. This exhibits a short-sighted policy on the part of the grower. The Badge Book is a small nursery dictionary and it is poor business for any man to miss the opportunity of getting into it. One of the interesting features this year is the unusual number of European advertisers. These men show enterprise and business acumen in taking space in the annual advertising record of the American Association of Nurserymen.

### THE COMMITTEES

The policy of appointing chairmen of committees and giving these chairmen the authority to select their own

co-workers has operated to the advantage of the society. By this plan the men best equipped have been chosen, complete harmony is secured, and greater general efficiency obtained. It was significant that in presenting reports on behalf of their respective committees several chairmen commended this method of appointment. It is expected that President Stannard will follow the precedent of last year.

We are not able to announce committees as appointed by President Stannard in this issue. Mr. Stannard is giving the matter careful consideration and desires to keep in mind two important features; one is that the right man shall be selected in each case, and second that this man is ready and willing to serve.

There are many good men in the Association, but they are not all available for committee work. In view of the fact that while the personnel of the committees as desired by the President is known at the present time, yet the acceptances not having all been received, it is desirable to withhold the list until it can be offered entire.



Mr. C. C. Laney, Superintendent of Parks, Rochester, N. Y.

It is largely due to his wide knowledge and efficient work that his city possesses its attractive parks. During the convention time Mr. Laney showed the visiting nurserymen the beauties of the city and its horticultural developments during recent years. He is well known throughout Western New York.

### ROLL OF NURSERYMEN IN ATTENDANCE AT THE ANNUAL MEETING. ROCHESTER, JUNE 9-11

Achelis, Geo., West Chester, Pa.; Allen, B. F., Rochester, N. Y.; American Fruits, Rochester, N. Y.

Baldwin, O. A. D. and wife, Bridgman, Mich.; Brown, C. J., Rochester, N. Y.; Brown, A. J., Geneva, Neb.; Brown, A., Wife and Daughter, Oconomowac, Wis.; Bagley, R. J., New Haven, Mo.; Barnes, J. R. and Wife, Yalesville, Ct.; Bacon, Edward, Dansville, N. Y.; Boyd, W. J., E. Penfield, N. Y.; Blair, Samuel E., Nutley, N. J.; Bowden, E. J., Rochester, N. Y.; Bohlender, W. F., Tippecanoe City, O.; Berckmans, L. A., Augusta, Ga.; Billings, H. M., Webster, N. Y.; Bentley, G. M., Knoxville, Tenn.; Bogue, Nelson, Batavia, N. Y.; Burr, C. R., Manchester, Conn.; Bates, W. P. and C. D., Elyria, O.; Bryant, Guy A., Princeton, Ill.; Bennett, C. A., Robbinsville, N. J.; Bell, Edwin, Castleton-on-Hudson, N. Y.; Betschler C., Canal Dover, O.; Beckley, O. P., of J. H. McFarland Co., Harrisburg, Pa.; Bernard, F. F., Painesville, O.; Baker, J. D., Baker Bros. Co., Ft. Worth, Texas; Bloodgood Nurseries, (H. E. Turner), Flushing, N. Y.; Barnes Nurseries, (J. J. Barnes), Cincinnati, O.; Balco, E. H., Lawrence, Kas.; Bernard, A. F., Painesville, O.

Carrs, M. L. Sons, Yellow Springs, O.; Causse, A. L., New York, N. Y.; Carman, C. W., Lawrence, Kas.; Clinton Falls Nursery Co., J. A. Cieszinski, Owatonna, Minn.; Chase, R. G. Co., Geneva, N. Y.; Chase Bros. Co., Rochester, N. Y.; Carpenter, C. N. F., Winona, Ont.; Charlton, J. M., Rochester, N. Y.; Cooley, J. S., Groveland, N. Y.; Crowell, S. W., Rich, Miss.; Chase, Henry B., Huntsville, Ala.; Chase, Robert C., Huntsville, Ala.; Chase, Herbert, Huntsville, Ala.; Chase, James W., Huntsville, Ala.; Coe, R. J., Ft. Atkinson, Wis.; Clark, Porter J., Rochester, N. Y.; Chism, Chas. J., Rochester, N. Y.; Charlton, John, Rochester, N. Y.; Chase, John C., Derry, N. H.; Custer, Frank and Wife, Normal, Ill.; Craig,



John and Wife, NATIONAL NURSERYMAN, Ithaca, N. Y.; Converse, D. C., Ft. Atkinson, Wis.; Carson, Thos. C., W. & T. Smith Co., Geneva, N. Y.; Clark, W. S., New Canaan, Conn.; Campbell, W. G., St. Joseph, Mo.; Camor, Chas. of C. C. Abel Co., New York, N. Y.; Cunningham, A. B., Rising Sun, Ind.; Cole, W. B., Painesville, O.

Dunham, Enos W., Stevensville, Mich.; Dunham, J. J., Stevensville, Mich.; Dawson, Henry S., Eastern Nursery, Jamaica Plains, Mass.; Dougherty, P. H. and Wife, Groveland, N. Y.; Dintelman, L. F., Belleville, Ill.; Dix, P. A., Roy, Utah; Davis, Joseph, Franklin Davis Nursery Co., Baltimore, Md.; Dayton, J. H., Painesville, O.; Dickinson, E. T., Chatenay, France; Dickenson, Geo. F., New York, N. Y.; Darrow, Frank H., New York, N. Y.; Davis, Howard, Baltimore, Md.

Elm City Nursery Co., W. W. McCartney, New Haven, Conn.; Essig, W. W., Detroit, Mich.; Ernest, Chas. and Wife, Moscow, O.

Flemer, Wm., Springfield, N. J.; Ferguson, F. N., Wanwatosa, Wis.; Farner, F. H., Boston, Mass.; Foster, J. H., Foster & Griffith, Fredonia, N. Y.; Farmers Nursery Co., F. J. Dinsmore, Troy, O.; Faulkner, A. F., *American Florist*, New York, N. Y.; Fox, M. B., Rochester, N. Y.; Ferguson, T. J., Milwaukee, Wis.; Farmer, L. J. and Wife, Pulaski, N. Y.

Grant, Geo. W., Coloma, Mich.; Griesa, A. C., Lawrence, Kas.; Griesa, T. E., Lawrence, Kas.; Guernsey, F. A., Schoharie, N. Y.; Gough, W. T. and Wife, Abilene, Kas.; Genesee Valley Nursery Co., Rochester, N. Y.; Gyllenhaul, A. G., Nelson Swain & Sons Co., Chicago, Ill.; Geneva Nursery Co., J. M. Twomey, Geneva, N. Y.; Greening, Chas. F., Monroe, Mich.; Graves, Nathan R., Rochester, N. Y.; Greening, B. J., Monroe, Mich.; Gillespie, H. C., Whites Class Advertising Co., Chicago, Ill.; Griffith, R. B., Wife and daughter, Fredonia, N. Y.; Green, F. D., Perry, O.; Grover, F. E., Rochester, N. Y.; Green, O. D., Syracuse, N. Y.; Grissinger, W. M., Salt Lake City, Utah; Goulds, F. R., Rochester, N. Y.; George, Bros., Penfield, N. Y.; George, Robert, Painesville, O.; Galeens, Geo. E., W. E. Galeens & Sons, Vienna, Ill.; Gaines, M. A. & Wife, Xenia, O.

Hall, H. E., Sherman, Texas; Hobbs, C. M., Bridgeport, Ind.; Hobbs, H. M., Bridgeport, Ind.; Hobbs, O. A., Bridgeport, Ind.; Hunt, W. W., Hartford, Conn.; Hubbard, Paul M., Bristol, Conn.; Harrison, Orlando, Berlin, Md.; Harrison, H. L., Berlin, Md.; Harrison, J. J., Painesville, O.; Harrison, W. C., Painesville; Hobbs, Fred, Bridgeport, Ind.; Hoyt, Stephens, New Canaan, Conn.; Hooker Wyman & Co., Rochester, N. Y.; Hill, J. W., Des Moines, Ia.; Hillenmeyer, H. F., Lexington, Ky.; Hoag, Frank C., W. Cosackie, N. Y.; Hill, E. G., Richmond, Ind.; Henby, E. A. and Wife, J. K. Henby & Sons, Greenfield, Ind.; Hill, D., Dundee, Ill.; Hooker, C. H., E. C. Brown Co., Rochester, N. Y.; Hartman, W. H., Dansville, N. Y.; Hartman, Mrs. W. H., Dansville, N. Y.; Henry, D. H., Geneva, N. Y.; Hamilton, H. E., Bangor, Mich.; Hartman, F. M., Dansville, N. Y.; Heikes, W. F., Huntsville, Ala.; Holsinger, Geo. W., Rosedale, Kas.; Hood, W. T., Richmond, Va.; Harrison, W. A., York, Neb.; Hansen, D., Fairbury, Neb.; Hawks, C. H., Rochester, N. Y.; Heming, E., Thos. Meehan & Sons, Germantown, Pa.; Haas Harry, Terre Haute, Ind.; Hall, L. W. & Co., Rochester, N. Y.; Hoopes, Abner, West Chester, Pa.; Heurlin, Julius, South Braintree, Mass.; Hart, W. L. and Sister, T. S. Hubbard Co., Fredonia, N. Y.

Ilgenfritz, W. F., Monroe, Mich.; Ilgenfritz, T. E., Monroe, Mich.; Ilgenfritz, T. I., Monroe, Mich.; Ilgenfritz, C. A. & Wife, Monroe, Mich.; Ilgenfritz, F. L., Monroe, Mich.; Irvine, James M., St. Louis, Mo.

Jacobson, Miss Emma; Jones, Hiram T., Elizabeth, N. J.; Josselyn, Geo. S. and Wife, Fredonia, N. Y.; Johnson, H. M., Palmyra, N. Y.; Johnson, Geo., Kansas City, Mo.; Jones, Geo. W., Bostic, N. C.; Jenkins, J. & Son, Winona, O.; Jackman, H. E. & Son, Waterloo, Ind.

Knight, David & Son, A. R. Knight, Sawyer, Mich.; Kohankie, Martin, Painesville, O.; Knoxville, Nursery Co., A. I. Smith, Knoxville, Tenn.; Kaufman, D., New York, N. Y.; Kohankie H. & Sons, Painesville, O.; Keebler, M. A., M. M. Keebler & Son, Geneva, N. Y.; Kelsey, Harlam P., Salem, Mass.; King & Burpee Mfg. Co., Syracuse, N. Y.; Kadlec, Frank, Wife and daughter, Evanston, Ill.; Knickman, C. B., New York, N. Y.; Kelley, Edw., New Canaan, Conn.; Kelley Bros., Dansville, N. Y.; Killian J. Yates, Newton, N. C.

Lopeman, J. A., Enid, Okla.; Leesley, C. L., Chicago, Ill.; Luetchford, R. D., Rochester, N. Y.; Lake, D. S., Shenandoah, Ia.; Lake, A. F., Shenandoah, Ia.; LeClare, J. F., Rochester, N. Y.; Lakeview Nursery Co. and Wife, Sheridan, N. Y.

Moon, Henry T., Morrisville, Pa.; McMurry, W. E., Hamilton, Mont.; Miner & Miner, Sheridan, N. Y.; McHutchinson, James, New York, N. Y.; Meehan, Thomas B., Dresher, Pa.; Meneray, F. W., Council Bluffs, Ia.; Maloy, C. J., Rochester, N. Y.; Mosher, A. A., City; Marshall, Geo. A., Arlington, Neb.; Marshall, V. V., Arlington, Neb.; Morton, Hugh, Winchester, Tenn.; Morton, Mrs., Winchester, Tenn.; Morton, Miss Nora, Winchester, Tenn.; McNary J. W., Dayton, O.; Morris & Wellington, Fonthill, Ont.; Miller, G. H. & Son, Rome, Ga.; Miller, J. C. & Wife, Rome, Ga.; McBeth, Thos. A., Springfield, O.; McDonald, J. R., P. McDonald & Son,

Geneva, N. Y.; McGlennon, Pres. Chase Bros. Co., Ontario; McGlennon, James, McGlennon & Kirby, Rochester, N. Y.; Martin, Mrs. E. V., guest of J. S. Cooley, Groveland, N. Y.; Moulson, T. S., Rochester, N. Y.; Morris, E. C., Browns Nurseries, Browns Nurseries, Can.; D. Z. Morris, Browns Nurseries, Browns Nurseries, Can.; Miller, S. A., Milton Nursery, Milton, Ore.; Merritt, N. G. & J. T., Dunkirk, N. Y.; Merrill, H. E., H. L. King, Geneva, N. Y.; McCarthy, D. T. & Sons, Lockport, N. Y.; McNair, C. W., Dansville, N. Y.; Moore, William & Co., Newark, N. Y.; Milgan, M., Bright, Ont.; Meehan, Mendelson S., Germantown, Pa.; McFarland Co., J. H., Harrisburg, Pa.; Mitchell, W. T., Beverly, O.; Maloney Bros. & Wells, Dansville, N. Y.; Mayhew, C. C., Sherman, Texas; Mayhew, J. R., Wexahachie, Texas; Moon, Wm. H., Morrisville, Pa.; McNair, H. R. & Son, Dansville, N. Y.; Moon, Samuel C., Morrisville, Pa.

Nelson, J. A. & Son, Paw Paw, Mich.; Niagara Sprayer Co., by Theo. Dosch.; New England Nursery Inc., Bedford, Mass.; Nelson, Swain, Nelson Swain & Sons, Chicago, Ill.; *National Fruit Grower*, G. K. Pixley, St. Joseph, Mich.; Needham, Earl, Des Moines, Ia.; North Jersey Nurseries, E. D. Pannell, Newark, N. J.

Osborne, E. S., Rochester, N. Y.; Olver, Geo. W., Fairview Nurseries, Rochester, N. Y.; Olver, E. B., Fairview Nurseries, Rochester, N. Y.; Ouwerkerk, P. W., Weehawken, N. J.

Perkins, Geo. C., Newark, N. Y.; Peters, Chas. M., Salisbury, Md.; Purnell, Anthony, Berlin, Md.; Phillips Nursery Co., Rochester, N. Y.; Patten, C. G. & Son, Charles City, Ia.; Prudential Nursery Co., C. A. Krill, Kalamazoo, Mich.; Prudential Nursery Co., O. J. Richardson, Kalamazoo, Mich.; Peters, R. C., Ironshire, Md.; Prater, G. E. Jr., Paw Paw, Mich.; Pratt, A. D., Pittsford, N. Y.; Perkins, C. H., Jackson & Perkins Co., Newark, N. Y.; Pratt, B. G., New York, N. Y.; Preston, S. J., Syracuse, N. Y., MacMillan Co., New York, N. Y.; Pirtle Amboy Chemical Works, New York, N. Y.; Pitkin, J. M. and Wife, Newark, N. Y.

Runyan, E., Elizabeth, N. J.; Rolker, J. E., New York, N. Y.; Rich, Wm. W., of F. B. Vandegrift Co., New York, N. Y.; Roesch Lewis & Son, Fredonia, N. Y.; Rice, H. W. & Co., Buffalo, N. Y.; Reed, W. C., Wife and Son, Vincennes, Ind.; Rogers, C. C., White Class Adv. Co., Chicago, Ill.; Roberts, M. C., Wolcott, N. Y.; Ronine, F. E. of Perfection Planter Co., Carleton, Mich.; Reid, E. W. and Wife, St. Paul, Minn.; Reilly, Thomas, Dansville, N. Y.; Robcan, N. S., F. C. Brown Co., Rochester, N. Y.; Rice Bros. Co., Geneva, N. Y.; Rolker, Winfred, New York, N. Y.; Rouse, Irving, Rochester, N. Y.

Skinner, J. H. & Co., Topeka, Kas.; Skinner, R. E. Wife and Daughter, Topeka, Kas.; Simpson, H. D., Vincennes, Ind.; Schuette, J. W., St. Louis, Mo.; Stone, G. C., Dansville, N. Y.; Sherman, E. N., Charles City, Ia.; Smith, Z. C., and Wife, Maywood, Ill.; Smits, Jac., Naarden, Holland; Secord, D. W., Pellham Corners, Ontario, Canada; Shaford, W. J., Hickory, N. C.; Sheldon, Geo. & Co., E. E. Marks, Chicago, Ill.; Siebenthaler, John, Dayton, O.; Stone, Mrs. C. F., guest of J. S. Cooley, Groveland, N. Y.; *Suburban Life*, New York, N. Y.; Stoeler, R. C., Dayton, O.; Schocner, Chas. C., Fairview Nurseries, Rochester, N. Y.; Spielman, John, Adrian, Mich.; Stark, W. P., Louisiana, Mo.; Schuyler, J., Cleveland, O.; Stecher Litho. Co., Rochester, N. Y.; Shepherd, T. C. Jr., Joliet, Ill.; Smith, E. A., Lake City, Minn.; Saddler, Wm. and Wife, Bloomington, Ill.; Saddler, Mrs. T. S., Bloomington, Ill.; Steinhoff, H. J., West Hoboken, N. J.; Sweet, Geo. A. & Son, Dansville, N. Y.; Stannard, F. H. and Wife, Ottawa, Kas.; Schifferli, F. E., Fredonia, N. Y.; Stewart, Wm. J., Boston, Mass.; Satter, Wm., of Ebbings & Von Gross, Boskoop, Holland; Storrs, J. E. and Wife, Westminster, Md.; Scarff, W. N., New Carlisle, O.

Taylor, E. R. and Wife, L. R. Taylor and Sons, Topeka, Kas.; Teas, E. Y., Centreville, Ind.; Tiger, D. J., Billings, Mont.; Tugwall, S. H., New York, N. Y.; Thomas Jefferson, Harrisburg, Pa.; Tiger, Moses F., Patchogue, N. Y.; Tiger, Mrs. M. F., Patchogue, N. Y.; Tiger, Vernon S., Patchogue, N. Y.; Taylor, H. S., Rochester, N. Y.

Uhl, Jacob, N. Uhl, Dansville, N. Y.

Vandevort, B. J., Bloomington, Ill.; Vredenburg, C. W., Rochester, N. Y.; Van Lindley, J., Pomona, N. C.; Von Herff, B., 95 Nassau St., New York, N. Y.; Van Emden, J. Meerkamp, Mount Vernon, N. Y.

Will, Oscar H., of Oscar H. Will & Co., Bismarck, N. Dak.; Willems, P. F., Rochester, N. Y.; Wickersham, R. A., Franklin Davis Nursery Co., Baltimore, Md.; Whitney, C. L. and Wife, Warren, O.; Watrous, C. L., Des Moines, Ia.; Work, Chas., Fruit Grower, St. Joseph, Mo.; Wilson, E. M., Louisiana, Mo.; Winter, Geo., LaSalle, Ill.; White, Frank B. and Wife, Whites Class Adv. Co., Chicago, Ill.; Wallace, J. H., Shenandoah, Ia.; Wenger, C. D., Dayton, Va.; Walstead, A. S., Belleville, Ill.; Wood, W. M. and Wife, Globe Nursery, Bristol, Va.; Williams, G. W., Jackson & Perkins Co., Newark, N. Y.; Welch, G. L. and Wife, Freemont, Neb.; Watson, John, Jackson & Perkins Co., Newark, N. Y.; Wiley & Son, Cayuga, N. Y.; Whiting, Geo. H. and Wife, Yanktown, S. Dak.; Welch, E. S., wife and daughter, Shenandoah, Ia.; Weber, F. A., Nursery, Mo.; Webb, W. F., with Brown Brothers. Co., Rochester, N. Y.; West, T. B., Perry, O.; Western New York Nursery Co.,



J. F. Dale, Rochester, N. Y.; Webster & Allen; Allen L. Wood, Rochester, N. Y.; Willett, Eugene, No. Collins, N. Y.; Wheelock, A. R., No. Collins, N. Y.

Yates, C. L., Rochester, N. Y.; Youngers, Peter, Geneva, Ncb.; Young, John A., Aurora, Ill.; Young, L. I., T. S. Hubbard Co., Fredonia, N. Y.

### TEXAS NURSERYMEN'S ASSOCIATION

The Tenth Annual Session of the Texas Nurserymen's Association will be held at College Station, Texas, July 28th and 29th, 1909.

The officers are: J. B. Baker, Fort Worth, Texas, President; R. W. Holbert, Arcadia, Texas, Vice-President; Jno. S. Kerr, Sherman, Texas, Secretary-Treasurer.

The meeting may be held jointly with the State Horticultural Society and the Texas Nut Growers' Association in the Assembly Hall of A. & M. College. It is desirable to have at least one session of Nurserymen only. All Nurserymen in good standing in Texas, Oklahoma, Arkansas and Louisiana are solicited to become mem-

Is the Nurseryman in Texas Receiving Just Compensation for his Labor. If not, why not?

J. R. Mayhew, Waxahachie, J. T. Foote, Durant, Okla. Ornamentals for the Coast Country. (Considering Species and Varieties).....H. C. Styles, Raymondville, S. Aria, Houston The Growing of Healthy Apple and Peach Trees,

F. T. Ramsey, Austin, F. W. Malley, Garrison Shade Trees—What Kind and How to Handle for the Best Results,

C. C. Mayhew, Sherman, W. A. Yates, Brenham Landscape Improvement—The Part of the Nurseryman,

W. B. Munson, Denison, Jno. F. Sneed, Tyler Since "The Nurseryman Sets the pace in Horticulture," Then Show Some Gaits,

E. W. Knox, San Antonio. Other nurserymen following in five-minute stunts.

The New Inspection Law. How to be Operated, Judge E. R. Kone, Austin, Sam H. Dixon, Austin, Free discussion.



A great cedar of Lebanon illustrating tree growth near Windlesham, where Fromow Nurseries are located.

Photo by J. Craig

bers of this Association, also to attend this annual convention whether members or not.

This Association is doing a great work for the Nurserymen of this section and could do more with your full support and co-operation. Are you willing to receive these general benefits and not help bear the burden? We ask you nurserymen to join this at once. Membership fee is \$2.00 annually. Send your name and the amount to the secretary at once and by this means you will not only help to guard and build up the nursery interests, but will get good to yourself by the meeting and be receiving the reports of the proceedings as they are mailed out.

All parties who are on the program are requested to respond and to have their respective addresses typewritten so that they may be handed to the secretary for publication, also have two or more extra copies for the press. It is desired to have the discussions pointed and brief. The former not over twenty-five minutes, the latter, five minutes each speaker. The hours may be changed to correspond with the regular program of the Congress.

### PROGRAM

FIRST DAY, JULY 28th, 1909.

8:30 A.M. to 12:00 M.

Invocation ..... Jno. F. Sneed, Tyler, Texas  
Annual Address ..... Pres. J. B. Baker, Ft. Worth  
The Growing of Citrus Trees in Coastwise Texas,  
Weed A. Stockwell, Alvin

### JULY 29th, EXECUTIVE SESSION

Report of Standing Committees.

Report of Secretary and Treasurer.

Election of Officers.

Free Discussion of the following subjects:

The Nursery Office, led by J. W. Tucker, Waxahachie.

A Comparison of our Retail Prices with Other Sections.

Our Collections Compared with Other States.

Damage Suits—How to Meet the Issue.

Our Relations One Toward Another. Can we profit by closer and More cordial relations?

### SOUTHERN NURSERYMEN'S ASSOCIATION

The Huntsville, Alabama, nurserymen are making preparations to entertain a big attendance of Southern Nurserymen at the Eleventh Annual Meeting of the Southern Association, which will be held in Huntsville, August 18th, 19th and 20th. Indications point to the largest attendance in the history of this Association. Instead of long hours spent in the Convention Hall the program is being arranged so that the greater part of each day will be spent visiting the various nursery plants around Huntsville. There are some 2500 acres of growing nursery stock to inspect and the three days will be busy ones.

Every Southern nurseryman should join this Association; the membership fee is \$2.00 annually; send this amount to Mr. A. I. Smith, Secretary, Knoxville, Tenn., and attend the Huntsville meeting.



### REPORT OF COMMITTEE ON TRANSPORTATION

About the only thing your Committee on Transportation has to report is the matter of changing the release clause on nursery stock. The clause formerly read: "Nursery stock prepaid or guaranteed, invoice value not exceeding \$5.00 per 100 lbs. and so receipted for, etc."

Notice was received last December, that the Western Classification Committee would meet at Mobile, Ala., on January 13th and that they had placed on their docket the revision of the valuation on nursery stock. My time was so fully occupied that it was impossible for me to attend this meeting and Mr. W. C. Reed of Vincennes, Ind., kindly consented to go and Messrs. Stark Bros. Co., of Louisiana, Mo., very generously offered to send their Traffic Manager, Mr. Chas. Sizemore, who is a railroad man of wide experience.

These gentlemen were in attendance at Mobile eleven days before this subject was reached by the Classification Committee; however, they were not idle during this time. They were interviewing the different members of the Committee and corresponding with different nursery firms, getting information and statistics so that when the opportunity was offered they presented the matter in an able and most satisfactory way and were successful in having the release clause stricken out altogether, and it was through the strong showing made, that nursery stock in a general way does not exceed \$5.00 per 100 pounds, that this clause was stricken out and your Committee would therefore urge that when it is necessary to make a claim that it be made on a reasonable and proper basis.

F. H. STANNARD, Chairman.

### Correspondence.

DENVER FOR PRESIDENT HILL. WESTERN MEN ENTHUSIASTIC.

Editor NATIONAL NURSERYMAN:

The writer has had some communications from the Pacific Coast Association regarding the location selected for our next meeting. A movement is on foot to have the Western people meet the Association at Denver, next June, if our boys decide to go there instead of St. Louis.

We are assured of the co-operation of Mr. Tonneson, Secretary of the Western Association, at Tacoma, Wash., also Mr. Malmo, President, of Seattle, if we decide to hold the meeting at Denver. I have had personal interviews with some of the Western coast people and they are enthusiastic over the idea. I hope we may be able to meet our Western brethren and if we go to Denver, I feel sure that a large representation will come over the Mountains to join us.

ROCHESTER ALL RIGHT.

We shall never forget our recent meeting at Rochester and every member of the Association who was fortunate enough to attend, was delighted with the hospitable manner in which we were entertained while in your city. The Rochester boys know how to "do things" and we take our hats off to them. There are some of us who would like to meet there every year, but we don't want to impose upon the generous hosts of Western New York.

The outlook for business in the West is good and our stock is making a satisfactory growth.

J. W. HILL.

### COMMERCIAL PEACH ORCHARDING

[Concluded from page 218.]

seeds will repay many fold the labor contributed to this work. San Jose Scale, peach tree borers and various leaf eating caterpillars are the most numerous and commonly known tree enemies to contend with.

Coating the trunk of the tree with Carbolineum will prevent borers from attacking the bark or entering the wood: Encircling the trunk with a band of some heavy cloth well saturated with the

preparation will prevent all caterpillars and other insects from crawling up the tree. Applying Carbolineum to cankerous or diseased parts and to freshly cut wounds facilitates their healing and effectually prevents the attacks of wood borers at such spots. Mixed in proper proportions to form an emulsion, Carbolineum forms a most radical and effective remedy against scale and other insect pests, and is especially long lasting in its results. Full particulars regarding the use of Carbolineum for farms, orchards, etc. in Bulletin 26. Address Carbolineum Wood Preserving Co., West Broadway, New York, N. Y.

### THE WESTMINSTER NURSERY,

J. E. STONER, Proprietor WESTMINSTER, MARYLAND

Offers for Fall 1909 and Spring 1910

Large stock of California Poplars, 6 feet, to 2 inch Cal. 1 and 2 year Cal. Privets. Raspberry and Strawberry Plants.

1 year Fay's Currants, Rhubarb, Sour Cherries, Heavy Peach. Black Locust and Catalpa Seedlings, Shrubbery, etc.

Will contract to bud Peach in Kansas Seedlings.

## CEDAR HILL NURSERY AND ORCHARD CO.

WINCHESTER, TENN.

Apple, Cherry, Peach and Pear. One Year Budded Apple and Peach our specialty. We also have a large offering in June Buds. We promise extra, good grade.

Large line of well grown nursery stock for Fall and Spring. Get our special prices. Concessions to overcome freight differences granted on orders from distant points.

## Forest Tree Seeds and Seedlings

WE ARE GROWING FOR SEASON 1909-10  
MILLIONS FOREST SEEDLINGS

Especially Soft Maple, Box Elder, Catalpa, Black Locust, Red Bud, Sweet Gum, Black Gum, Elm, Persimmon, Ash, Poplars, Sycamores, Walnuts, Etc.

IN SHRUBS WE HAVE A LARGE STOCK

Calycanthus, Altheas Spireas, etc. 50,000 Extra Fine Transplanted Hamamelis Virginica, Witch Hazel; 500,000 Althea Seedlings Grafting Stocks, California Privet, etc.

WE MAKE A SPECIALTY OF

California Privet Cuttings, Carolina, Poplar, Spirea, etc.  
SEND FOR TRADE LIST.

We collect Large quantities Tree and Shrub Seeds and Seedlings, and would appreciate offers on good fresh Tree and Shrub Seed for Fall Delivery.

FOREST NURSERY & SEED CO.  
McMINNVILLE, TENN.



## L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolus, Cannas and Dahlias  
Nurserymen Should Try My Simplex Tree Baler  
IT DOES THE WORK. PRICE \$16.00.  
Special 20,000 California Privet.

North Carolina
Natural

# PEACH



# SEED

Write for sample  
and special prices.

Clark Nursery Co.  
Rochester, N. Y.

"You Get What You Order."

## PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED, crop 1908, can fill any size order.  
VIRGINIA NATURAL PEACH SEED CO.,  
4th Ave. & Clinton St., BALTIMORE, MD.

### Wood River Nurseries . . .

#### Offer Six Hundred Thousand Grape Vines

One and two year old for the Fall of 1909 Delivery, in the following varieties:

ELVIRA, IVE'S SEEDLINGS, CATAWBA, CONCORD, DELAWARE  
MARTHA, MOORE'S EARLY, NIAGARA, AGAWAM,  
LINDLEY, CLINTON AND WORDEN

We will also have a surplus of APPLE, CHERRY, PLUM, PEAR,  
PEACH, CAROLINA POPLAR, CATALPA SPECIOSA,  
ELM, MAPLE and many other items.

Correspondence solicited.

WOOD RIVER NURSERY CO., Wood River, Nebr.

## PEACH SEED

I still have a few hundred bushels of 1907 crop peach pits. Special prices to close them out. Write

C. G. NIEMAN, Port Clinton, Ohio

## Budded Pecan Trees

Japan Persimmon, Japan Walnut,  
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,  
JACKSONVILLE, FLA.

# PEONIES

ONLY BY THE WHOLESALE

Let me send you my list of OVER ONE HUNDRED Best Varieties.  
J. F. ROSENFELD, WEST POINT, NEBR.

When writing to Advertisers mention The National Nurseryman.

**R O S E S** Sold except  
Mosses, Masson, Charta, Diesbach, Perkins, Niel.  
New crops coming along finely.  
Send your want list early.

THE **LEEDLE** FLORAL COMPANY®  
SPRINGFIELD, OHIO.

## R. C. PETERS & SONS

IRONSHIRE, MARYLAND

(Successors to)

Wm. M. Peters' Sons, Snow Hill, Md.

Bell Telephone connections in office.

Telegraph Office, Berlin, Md.

### Offer for Spring 1909

Peach Trees of all the leading varieties,  
California Privet and Grape Vines

Send in your list of wants for Special Prices.

Grand stock of specimens

London Planes,  
Acer Schwedleri,  
Lime Dasystylla,  
Horse Chestnuts—red  
and white flowered  
Thorns—Paul's Scarlet,  
Large leaved Elms, Etc.

**GROENEWEGEN & SON**  
ROYAL NURSERIES  
DE BILT  
near Utrecht  
HOLLAND

Catalogue 1909 now ready,  
will be sent on  
application.

### For Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

**Fraser Nursery Company**

Incorporated

HUNTSVILLE, ALABAMA

### WANTED IMMEDIATELY

An experienced Nurseryman who thoroughly understands all branches of Nursery work. Must be temperate, honest, and a good worker. State age, nationality, and wages expected.

VIRGINIA NURSERY CO., Purcellville, Loudoun Co., Va.

When writing to Advertisers mention The National Nurseryman.



WHOLESALE ONLY

# Chase Nursery Co.

HUNTSVILLE, ALABAMA.

Meet us at the Convention!!

Looks like them thar York State Yankees are fixin' to giv' us a bully good time. Let's try 'em. Everybody go!! and talk it over,—**It pays.**

Stock 'round here is growing finely; prospects encouraging; ground in good shape; plenty of rain; field work well in hand. We are doing our utmost to bring on a Dandy Fine Stock for 1909-10.

Tree Altheas, Bush Altheas, Spireas, Privets, Roses, Shrubs (assorted), Fruit Trees, Nut Trees, Mulberries—and a whole lot more.

June Budded Peach—in quantity—and that's not all.

Please Send Your List of Wants for Fall

WHOLESALE ONLY

# Chase Nursery Co.

HUNTSVILLE, ALABAMA.

## WANTED!

### Nursery Foreman

Permanent position for right party. Must be well up on growing high grade ornamentals and a good handler of men.

### Landscape Foreman

Experienced in carrying out landscape work and familiar with ornamental stock.

## The Elm City Nursery Co.

NEW HAVEN, CONN.

## Seedlings Specialties

### CATALPA (The pure Speciosa Genuine)

Our stock is very fine and we are the largest western growers of this line:

*Black Locust	Russian Mulberry	Honey Locust
Russian Olive	Maple	Ash
		Osage Hedge

JAPAN PEAR STOCKS up to our usual high standard.

Also general line of nursery stock.

## The Winfield Nursery Co., (Incorporated)

(Island Park), Winfield, Kansas.

J. MONCRIEF, Pres. E. S. MONCRIEF, Vice-Pres.  
R. I. LEMON, Sec'y-Treas.

# B.E. Fields & Son

## FREMONT NURSERIES

Fremont, Neb..



## Growers of a General Line of Nursery Stock

## Franklin Davis Nursery Co.

Baltimore, Maryland

We offer for Fall 1909 and Spring 1910---

Apple, 1 and 2 year, leading varieties.  
Pear, Standard, Keiffer, Blight Proof, Koonce, Garber, Etc., Etc.  
Peach, 1 year, standard varieties.  
" 2 " June Buds.  
Cherry, 1 and 2 year on Mahaleb.  
Asparagus, best leading kinds, 1 and 2 year.  
Privet, California, 1 and 2 year, fine.  
" Ibota, 1 and 2 year.  
Strawberry Plants, best varieties.  
Grape Vines, 1 and 2 year; heavy on 1 year Concord.  
White Birch, 10-12 ft., fine.  
Silver Maple, 10-12 ft., 8-10 ft., 7-8 ft.  
Sugar Maple, 8-9 ft., 7-8 ft.  
Norway Maple, 7-8 ft., 6-7 ft.  
Poplars, Lombardy & Carolina, 1, 2 and 3 year.  
Catalpa Speciosa, 8-9 ft., fine.  
Weeping Willows, 8-9 ft., fine.  
Oriental Planes, 8-9 ft., fine.

We have a fine lot of Extra Heavy Shrubs, such as Hydrangea P. G., Weigelas, assorted; Altheas, assorted; Judas Trees, Spireas, assorted; Eulalias, Snowballs, Lilacs, Strawberry Tree.

In large Shade Trees we have Sugar Maples, Elms, Box Elder, Catalpas, Evergreens, Roses, Etc., Etc.

Would accept orders to bud Peach on contract. Can commence shipping October 1st, or earlier.

Send us your want list.

Confer with us at the Convention.



## SPECIALTY

Small Fruit Plants For the  
Nursery Trade

Large stock of

## Grape Vines

HEAVY GRADES FOR RETAIL TRADE

Willett & Wheelock

North Collins, N. Y.

ALMA NURSERIES, Oudenbosch, Holland

NURSERIES AT

Oudenbosch and Boskoop

Proprietors { U. J. Heerma Van Voss, Czn.  
H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any  
other firm of similar name.

Largest growers of Ornamental, Deciduous and  
Evergreen Nursery Stock.

SOLE AMERICAN AGENT:

J. MEERKAMP VAN EMBDEN, Mt. Vernon, N. Y.

WRITE FOR CATALOGUES AND SPECIAL QUOTATIONS

## Victor Détriché

Angers, France

Wholesale Grower and Exporter of Fruit-Tree  
Stocks, Forest-Tree Seedlings, Rose Stocks,  
Shrubs, and Conifers for Nursery Planting.

Write for special price-list and catalogue.

W. TAAT, Sta. A., YONKERS, N. Y.

Sole Agent for the United States and Canada.

## Red Star Raffia Best for Budding

No waste; strands are long, strong and  
of good color. WE take the risk and will  
replace any "Red Star" brand that proves  
unsatisfactory.

Why should you take chances on the un-  
guaranteed, promiscuous brands?

Ask for sample of "RED STAR" Brand

Thomas Meehan & Sons

BOX X., DRESHER, PA.

## SIMPSON

is the name of the men who  
grow the finest

## CHERRY

that can be produced by suitable soil,  
climate and expert knowledge.

Take a look at the stock or ask for a  
sample and be convinced of the *extra*  
*quality* of their

## TREES

H. M. Simpson & Sons,

Vincennes, Indiana

THE ONE BEST ARTICLE

FOR THE PURPOSE

## WOOD LABELS

FOR NURSERYMEN AND FLORISTS

BOTH PLAIN AND PRINTED

Facilities for prompt and efficient service, to-  
gether with the quality of our produce is unsurpassed.  
Samples and prices are at the command of a com-  
munication from you.

Dayton Fruit Tree Label Co.

SOUTH CANAL STREET, DAYTON, OHIO



# Evergreens

are my leading specialty. Our soil and climate is acknowledged to be especially adapted for producing healthy, thrifty trees with an abundance of fibrous roots. My stock includes "Everything in Evergreens" from millions of small seedlings and transplants to well formed specimens 2 ft. to 20 ft. in height. In most varieties we have immense quantities in sizes that are just right for growing on, two and three year transplanted stuff with good roots and an abundance of them. You will be surprised how little money is necessary to build up a good stock of evergreens, and you don't have to figure on much loss when buying Hill's Evergreens, if you do your part. NOW is a GOOD TIME to stock up.

*I also make a specialty of growing*

## Forest Tree Seedlings

in immense quantities such as European Larch, Catalpa, Black Locust, American Elm, American Linden, Horse Chestnut, Sweet Chestnut Hard Maple, Norway Maples. Red Oak, White Oak, Burr Oak, Chestnut Oak, Black Oak, Birch, Beech, Ash, Box Elder, etc.

*In addition to the above I have a complete line of*

## Deciduous Shade Trees

of all the most important varieties. Several blocks of Elm 2 1/2 to 5 inches in diameter with extremely well formed tops and straight trunks. A fine lot of Linden.

1909 CATALOG READY NOW. WRITE FOR IT.

### D. HILL

Evergreen Specialist  
DUNDEE, ILL.

"Dundee Grown" Trees Have Been Famous for Over Half a Century.

# The Buying of Trees is a Matter of Confidence

**I**T IS impossible for even an expert to tell from an examination of the bark and leaves of a tree whether the fruit will be good or worthless. While of importance to private planters, it is of far greater consequence to the nurseryman who buys trees in quantities for distribution among his customers to know they are reliable in every way. For 26 years the Glen Saint Mary Nurseries have been perfecting their facilities for the production of absolutely dependable stock and the nurserymen who have been supplied from this source, as well as direct customers, have come to know that here they can secure

## "Trees True to Name"

Large test orchards are maintained at Glen Saint Mary Nurseries for the fruiting and proving of different varieties. These orchards enable us to point to the parent trees from which our young nursery stock is grown as evidence that we know exactly what the latter may be expected to do when they come to fruit. Further evidence of the superiority of our product is found in bearing orchards throughout the South, planted years ago with Glen Saint Mary trees. We are now growing better trees and plants than ever before.

New Catalogue or Wholesale Price List on application.

### The Glen Saint Mary Nurseries Company,

GLEN SAINT MARY, FLORIDA

G. L. Taber, Pres. & Treas.

H. Harold Hume, Vice-Pres. & Sec.

NURSEYMEN  
When in NEW YORK Stop at the New  
Fire-Proof

## NAVARRE

Seventh Ave & 38th Street

BUSINESS MEN  
FAMILIES  
TOURISTS

Maximum of Luxury  
at Minimum of Cost.

ACCESSIBLE  
QUIET  
ELEGANT

Within Five Minutes'  
Walk of Theatres,  
Shops and clubs. 300  
Feet West of BROAD-  
WAY.

New Dutch Grill  
Rooms. Largest in  
the City.

Electric Cars pass  
Hotel to all Railroads.



EUROPEAN PLAN

\$1.50 PER DAY

WITHOUT BATH

\$2.00 PER DAY

WITH BATH

SUITES, \$3.50 AND UPWARDS

SEND FOR BOOKLET

Edgar T. Smith

Geo. L. Sanborn

## W. FROMOW & SONS

Windlesham Nurseries, Surrey, England

Offer 250 acres of Hardy Outdoor Nursery Stock in great variety, chief among which may be noted the following:

Hardy Named Rhododendrons in such varieties as Everestianum, Caractacus, H. W. Sargent, C. S. Sargent, Kettle-drum, Chas. Dickens, Lady Armstrong, Atrosanguineum, Chas. Bagley, Alba elegans and grandiflora, Giganteum, Old Port, Fastuosum fl. plena, Roseum elegans, Delicatissima, Ed. S. Rand, Jas. Mackintosh, Mrs. H. Ingersoll, and many of the Parson's Hybrids.

Andromeda Florabunda, 20,000 to offer in bushy well grown plants 6 in. to 18 in.

Andromeda Japonica 6 to 18 in.

Azalea Mollis, seedlings from named varieties 4 to 24 in.

Ghent Azaleas, on own roots 12 to 24 in.

Azalea Pontica, the common yellow 12 to 30 in.

Gaultheria Shallon and Procumbens.

Kalmia Latifolia 6 to 30 inches.

Hybrid Tea, Tea, Polyantha and Hybrid Perpetual Roses, strong field-grown stock as Standards, Half Standards and Dwarfs in all leading varieties.

Copper Beech, selected seedling, specially good strain 3 to 9 ft.

Fruit Trees, trained, Espalier and Fan shaped.

Box, Handsworth and Common Tree 6 in. to 5 ft.

Retinospora Plumosa and Plumosa Aurea 6 in. to 6 ft.

Retinospora Pisifera and Pisifera Aurea 3 to 6 ft.

Retinospora Obtusa compacta 6 in. to 5 ft.

Abies Orientalis, Parryana, parryana Glauca and Kosteriana 6 in. to 4 ft.

Manetti Stocks, extra well rooted and graded for grafting. We have 500,000 to offer.

We are within an hour's rail ride of London, and shall welcome the personal inspection of any Nurseryman visiting England. We shall not importune you to buy, the quality of our stocks will ensure business.

Our sole agents for U. S. A. and Canada are

Messrs. A. ROLKER & SONS,

31 Barclay Street,

New York





Everything in  
**Small Fruit Plants.**

Ask for price list.

W. N. SCARFF, New Carlisle, O.

**FAIRFIELD NURSERIES**

FRUIT AND SEED FARMS

OFFER for Fall 1909 and Spring 1910

GRAPE VINES—One and two years old. Varieties largely Moore's Early, Concord and Niagara.

Also Scarlet or Crimson Clover Seed and Cow Peas. Free from weed seeds, all cleaned and guaranteed first class.

Correspondence solicited. Price list upon request.

**CHAS. M. PETERS**

P. O. Address, Salisbury, Wicomico County, Md., R. F. C. 3  
Long Distance Phone and Telegraph, Salisbury, Md.

**We are Prepared to Handle Your Orders**

for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

SPECIAL—We have 1000 bu. of Red and Burr Oak Acorns on which we can make special low price.

SEED DEPT.

**DUNDEE NURSERIES**

D. HILL, Prop.  
DUNDEE, ILLINOIS

**PIERRE SEBIRE & SON**

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobalan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

**Satsuma Orange Trees**

For the next season should be ordered now.  
We have them and others. Catalog free.

**ALVIN JAPANESE NURSERY**

Houston, Texas

**GOOD INVESTMENT**

A subscription to the

**NATIONAL NURSERYMAN**

brings increased knowledge of the condition of the nursery interests of the country and a better outlook upon growing practices.

Subscription Price, \$1.00

Send now.

When writing to Advertisers mention The National Nurseryman.

**F. E. SCHIFFERLI**

FREDONIA, N. Y.

Successor to WHEELLOCK & CLARK

AT IT SEVENTEEN YEARS

For SPRING 1909

GRAPE VINES AND CURRANT PLANTS

GRAPE AND CURRANT CUTTINGS

CORRESPONDENCE SOLICITED

**California Privet**

LARGEST STOCK IN THE COUNTRY

SEND FOR PRICES

C. A. BENNETT, Robbinsville, N. J.

**P. OUWERKERK,**

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERIES. Some of the goods on hand here during the packing season.

**Grape Vines**

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

T. S. HUBBARD CO., Fredonia, N. Y.

**SPRING OF 1909**

New Trade Sheet and Scion List Just Out. WRITE FOR THEM

We have a Large Stock and can Ship Promptly.

NURSERIES AT CARROLLTON AND JERSEYVILLE, ILL.

JOHN A. CANNEDY NURSERY AND ORCHARD CO.,

CARROLLTON, ILL.

**HAVE YOU**

Placed your order yet for

**CRATING LUMBER**

If not, let us quote you on

**SPRUCE**

Thick or thin, cut to lengths.

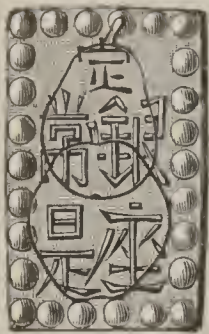
**RICE & LOCKWOOD Lumber Co.**

Utica Branch

Utica, N. Y.



# Heikes --- Huntsville --- Trees



Huntsville  
Wholesale Nurseries  
Huntsville, Ala.

JESSIE S. MOSS, Prop.

We offer for the Fall of 1909 and Spring of 1910 in large quantities as usual :

## SPECIALTIES

PEARS—Bartlett and Beurre de Anjou, one year, in large supply. As fine in quality as ever grown.  
PEARS—Kieffers, one and two years old. A much smaller crop than heretofore  
PEARS—Assorted leading varieties. One and two yrs. old.  
CHERRIES—On Mahaleb. Leading sour varieties. A large block but not as many as usual.  
PEACHES—We excel in Peaches, and of these we will have as large and as fine a stock as we have ever grown, both in one year and June Buds.  
PLUMS—A light stock of these for this year.  
PECANS—We make a specialty of grafted Pecans. These are grown in our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.  
ROSES—Budded. We have discontinued the propagation of Roses at Biloxi. We will have a large stock of leading Hybrid Perpetuals and Mosses grown at Huntsville.  
PRIVET—Amoor River. Retains its foliage longer and holds its color better than Coliforma Privet.  
MAGNOLIA G. F.—Huntsville grown. Handsome, young plants, transplanted.

See Price List for particulars.

Address, W. F. HEIKES, Manager,  
HUNTSVILLE, ALA.

# STARK BRO'S NURSERIES & ORCHARDS COMPANY

CAPITAL STOCK \$1,000,000

PIONEER NURSERIES OF THE WEST

Established 1825

Fourth Generation of Stark Nurserymen

STARK DIGGERS are now furnished with a very heavy double edged blade of highest quality crucible steel; prevents all twists and spring. A boy can pull trees loosened by the adjustable lifter.



Thrown in or out of the ground quickly, without heavy lifting. Easily turned. Moved from one location to another on its own wheels. Used by many of the leading nurserymen; has always given satisfaction.

Write for Descriptive Circular and Prices

General Office, Nurseries, Packing Houses  
LOUISIANA, MO.

BRANCHES { Starkdale, Mo. Rockport, Ill. Atlantic, Ia.  
Fayetteville, Ark. Portland and Dansville, N. Y.

Storage Capacity 1,000 Car Loads  
A GENERAL LINE OF NURSERY STOCK

HAVE you seen and examined the quality of our waterproof rawhide shipping tags and tree labels? This stock is



especially adapted to hard usage and outside use. "Once used, always used." Send for samples and prices. Our refer-

ences are the largest Nurserymen in the United States.

The Denney Tag Co.

WEST CHESTER, PA.

## B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.  
WEeping BLUE SPRUCE. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.  
ROSES, Hybrid Perpetual and Hybrid Tea varieties.  
CONIFERS and EVERGREENS, 150 varieties.  
RHODODENDRONS, Hardy Hybrid and Maxima, 50 varieties.  
EVERGREEN SHRUBS, 35 varieties.  
FLOWERING SHRUBS, 350 varieties.  
JAPANESE MAPLES, 25 varieties.  
ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.  
WEeping and STANDARD DECIDUOUS TREES, 50 varieties.  
HEDGE PLANTS, 25 kinds.  
HARDY VINES and CLIMBERS, 75 varieties.  
PLANTS and TRAILING VINES, 12 varieties.  
SPRING and SUMMER FLOWERING ROOTS and BULBS, 250 varieties.  
DECORATIVE and FLOWERING PLANTS, 50 varieties.  
TRAINED and OTHER FRUIT TREES. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.  
SMALL FRUITS, 75 varieties.  
NEW and RARE TREES, SHRUBS and EVERGREENS, 35 varieties.  
MISCELLANEOUS NEW and RARE PLANTS and VINES, 25 varieties.  
HARDY HERBACEOUS PLANTS (Old Fashioned Flowers) 1,000 varieties.  
NEW and RARE CHOICE HARDY PERENNIALS, 65 varieties.  
ORNAMENTAL GRASSES, 30 varieties.  
HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG

VISIT NURSERIES

BOBBINK & ATKINS,

NURSEYMEN AND FLORISTS,

RUTHERFORD, N. J.



# ORNAMENTAL STOCKS

**NURSERIES**  
**420 ACRES**

## WE GROW

FRUIT TREE STOCKS—All Sizes.  
300 varieties of Conifers, 1 to 4 years old.  
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.  
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.  
250 varieties of Climbing Plants.  
400 varieties of Conifers, 1 to 4 feet high.  
400 varieties of Perennials.  
800 varieties of New and Old Roses.

We Have No Agents.  
Write direct to us and  
ask for **WHOLESALE**  
**CATALOGUES**

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

**BARBIER and CO., Successors,**

Orleans, France

## FRITSCH & BECKER

WHOLESALE SEEDSMEN

at GROSSTABARZ, Thuringia, GERMANY

are prepared to accept contracts on the following  
Specialties for

**DELIVERY FALL 1909**

FRESH SEEDS of MULBERRY, WILD CHERRY,  
MAHALEB CHERRY, PLUM, QUINCE, APPLE,  
PEAR, DOG ROSE, BLACK AND HONEY  
LOCUST and many other sorts.

Price List on application  
WANTED: American Evergreen Tree Seeds  
Offers will oblige

## CALIFORNIA AND AMOOR RIVER PRIVET

Large stock in all grades. This stock being our leading specialty we are able to quote low prices, and believe that we now have the largest stock of any Nursery in the country. Besides we offer Shade Trees, Shrubs, Berry Plants, Grape Vines, Roses, Cannas, Etc., Etc. Special prices on car load lots for booking of early orders.

Trade List ready August the first.

**VALDESIAN NURSERIES,**

Bostic Department, Bostic, North Carolina.

ROSES - SHRUBS - CANNAS - PHLOX  
JAPANESE IRIS - HERBACEOUS PAEONIES

**ALL FIELD GROWN**

Teas, Hybrid Teas, Hybrid Perpetuals, Mosses, Rugosas, Climbers, Ramblers Creepers. Thirty Types. Over Three Hundred Varieties.

Planting for the season of 1909-1910 is the heaviest in our history. Varieties are the BEST and QUALITY is there, better than ever before.

We want to figure with you Mr. Nurseryman on your future orders. We have the goods—QUALITY—QUANTITY—VARIETY—and can make the prices! Your correspondence will get "quick" action.

**The United States Nursery Co.**

RICH, Coahoma County, MISS.

## SITUATION WANTED

I desire a permanent connection with some responsible Nursery Establishment, either to take full charge of the Sales Department, or to run a Catalogue Department, complete. Will take hold of your present business or will start a new one and am capable of making a success of it. I am not looking for a snap or place to loaf, but prefer a position that demands ability, aggressiveness and perseverance, and prefer to work on salary and commission. I have twelve years' experience in having full charge of a catalogue house, both growing and selling. Life time at the Nursery Business. Prefer to locate in Eastern or Middle States. Thirty-one years of age, married. Address Catalogue, this Office.

# LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Orders booked now for delivery season 1909-1910. Compare prices quoted in last Fall's trade list. For catalogues and price list address us or our

American Agents, **AUGUST ROLKER & SONS**, New York, 31 Barclay Street, or P. O. Box 752.



## NURSERY PRUNER NO. N

CUT IS EXACT SIZE

No shoddy here. Sample by mail, 50c. Blade is hand forged and warranted.  
Nursery Budding Knives, 25c. Pocket Budding Knife, 35c. All Steel Pruning Shears, California Pattern, post paid, \$1.  
Propagating Knife, white handle, 50c.—You pay 75c for a much inferior knife. Send for a 12 page SPECIAL NURSERY CATALOGUE.

**MAHER & GROSH CO., 90 A Street, TOLEDO, Ohio.**

When writing to Advertisers mention the National Nurseryman.



The  
**Fletcher & Harrison Nurseries**  
Cleveland, Tenn.

**LARGEST EXCLUSIVE WHOLESALE  
PEACH NURSERY IN THE WORLD**

We annually sell peach in car lots in three-fourths of the states of the Union and in Canada and British North America. We lead all others in the sale of peach stock.

**400,000 ONE YEAR PEACH**

**400,000 JUNE BUD PEACH**

We offer this large lot of peach stock for the Fall of 1909 and the Spring of 1910. All our stock has been sold already but the number mentioned above.

One year peach is in great demand owing to the fact that few peach seed were planted in the fall of 1907. The supply of one year peach will be smaller this fall and winter than it has been for twenty years and now is the time to place your order while our assortment is unbroken.

We have over 100 varieties of peach in one year stock and June buds. Where the distance is very great we will make reduction in price to meet heavy freight charges. Do not place your order till you get our prices.

**The Fletcher & Harrison Nurseries**  
CLEVELAND, TENN.

# Burr's Specialties

for the Coming Year

## PEACH TREES

GROWN ON NEW LAND and will be EXCEPTIONALLY FINE

### CAROLINA POPLARS

1, 1 1-4, 1 1-2, 2 in. DIAM.

### BERBERRY THUNBERGII

12-18, 18-24 in.

### BERBERRY SEEDLINGS

6-10, 10-12 in.

### ASPARAGUS ROOTS

Graded strictly 2 Yr., No. 1

### CALIFORNIA PRIVET

12-18 in. to 3-4 Ft.

Contract Prices on the above will be made for Early Orders.

We are also in position to handle Dealers' Complete List.

## C. R. BURR & COMPANY

The Burr Nurseries MANCHESTER, CONN.

**E. P. BERNARDIN**  
**PARSONS Wholesale Nurseries**  
**Parsons, Kans.**

Established 1870

We are still headquarters for Early Harvest B. B. root grown plants. One-half million to offer.

**200,000 Peach, 1 year** to offer in general assortment.

Large supply of **Evergreens, Shrubs and Ornamental Shade Trees**, in all sizes. Car lot orders solicited.

**Carolina Poplar**, all sizes and in quantity.

Send in your want lists for estimates.

A General Line of  
**First-Class Nursery Stock**

Send list of wants for prices.

**Our N. C. PEACH PITS are Unsurpassed**

Send us your trade list.

**J. VANLINDLEY NURSERY CO., - Pomona, N. C.**

## OPENING FOR NURSERYMAN AND FLORIST

In town of 10,000, increasing rapidly, a city of homes and now beginning to wake up to city beautifying. Winterless climate, rich soil, plenty sunshine. Will send horticultural information and all details on request. **O. OWEN**, Secretary Board of Trade, Port Arthur, Texas.

35TH YEAR

## Pan Handle Nurseries

WE OFFER A COMPLETE ASSORTMENT OF NURSERY STOCK CONSISTING OF

Apple	Poplar Carolina	Ampelopsis
Pear	Poplar Volga	Roses
Plum	Elm American	Evergreens
Cherry	Sycamores	California Privet
Peach	Mountain Ash	Buxus
Grape	Althea	Weeping Trees
Currant	Hydrangea	Catalpa Seedlings
Gooseberry	Barberries	Black Locust "
Small Fruits	Syringaeas	Fruit Tree "
Maple Norway	Clematis	Catalpa Speciosa Seed.
Maple Schwedlers	Honey Suckle	Etc., Etc., Etc.
Maple Silver	Wistaria	

Our stock is well grown and graded. Prices are such that it will pay to investigate. Come and see us or write.

## J. K. HENBY & SON

GREENFIELD, IND.

## Nurseries

## F. DELAUNAY

Angers, France

## SPECIALTIES

Fruit tree stocks, as

Apples, Angers Quince, Mazzard Cherry,

Mahaleb, Myrobolan, Pear, etc.

Forest Trees seedling and transplanted.

Evergreens, Ornamental Shrubs, Manetti, Multiflora, Roses.

My General Catalogue will be sent free on application.



# NURSERYMEN AND FLORISTS

looking for stock can find largest assortment in the  
United States at the

## Painesville Nurseries

Fruit and Nut Trees, Deciduous Trees, Shrubs and Evergreens, Hardy Roses, Vines and  
Plants, Grapes, Gooseberries, Small Fruits, Bulbs, Seeds, Palms  
and other tender Greenhouse Plants

Have full list of varieties for fall trade with special inducements for orders for late fall  
delivery in car lots, or cellared for Spring if desired. Our facilities are unsur-  
passed for handling these large orders. Try us and be convinced.

Not satisfied with our present large cellars, are now build-  
ing one 112 ft. by 240 ft. connecting with and south  
of present brick cellar.

### OUR SPECIALTIES ARE

#### ROSES

H. P.

Moss

Ramblers

Climbers, Etc.

#### PEACHES

#### PEARS

#### PLUMS

#### CHERRIES



PIN OAK

#### ORNAMENTAL TREES AND SHRUBS IN CAR LOTS

Weeping Mulberries  
Elm and Ash

Clematis

Ampelopsis

Pæonies

Hydrangeas, Bush  
and Tree

Holland Bulbs

NO TROUBLE TO PRICE YOUR WANTS

55 Years

1200 Acres

44 Greenhouses

THE STORRS & HARRISON CO.  
PAINESVILLE, OHIO



# LILACS

CHOICEST NAMED VARIETIES

including the famous

## Highland Park Collection

Fine plants for delivery in October

PRICES ON APPLICATION

### Ellwanger & Barry

Mount Hope Nurseries

ROCHESTER, N. Y.

# Fall 1909 and Spring 1910 Price List

NOW READY

If anyone in The Trade entitled to receive our wholesale price-list is without one, a copy will be very gladly sent on request. In it, we offer a choice collection of Fruits and Ornamentals, carefully grown and graded with a view to supplying satisfactorily the discriminating buyers whose orders we are accustomed to handle, and including a good lot of the well-known "J & P. Specialties."

Roses

Tree Lilacs

Ampelopsis Veitchii

Etc.

Clematis

Tree Hydrangeas

Peonies

Etc.

Large buyers are invited to submit Want Lists before placing their orders.

## Jackson & Perkins Co.

Growers for The Trade

Wholesale Exclusively

Dispensers of "The Preferred Stock" which is grown at NEWARK, in WAYNE COUNTY, NEW YORK STATE.

August 1, 1909

## SPECIAL NOTICE

APPLE QUINCE PEAR CHERRY  
PEACH PLUM

A Fine Block of  
Own Root Roses

ORIENTAL TREES SHRUBS  
BERRIES CLEMATIS  
EVERGREENS PEONIES PHLOX

Write for our Special Prices

Special Attention given to Dealers, complete lists  
and carload lots.

W. & T. SMITH COMPANY

GENEVA, N. Y.

63 Years

700 Acres

## BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall  
delivery, from 10 inches to 3 feet.



ALTHAEA  
MEEHANII

(Hibiscus Syriacus)  
(New variegated  
single flowering  
Althaea).

Field grown  
DOROTHY  
PERKINS,  
CRIMSON  
RAMBLER,  
and MARIE  
PAVIE Roses.

AZALEA  
INDICA,  
CAMELLIA,  
MAGNOLIA  
grfl..

WIER'S  
MAPLE,  
TEAS,  
MULBERRY,  
TULIP  
POPLARS,  
all first class.

Send for prices.

## P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

::

AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries



# Strawberry Plants

**M**Y BUSINESS for several seasons has been growing very rapidly, and the season just past has far exceeded any former year. I have therefore been compelled to increase my acreage to meet the growing demand for my plants, and I expect this Summer to build an additional, large, up-to-date packing house, so that my daily output of plants will be greatly increased during the shipping season. This will enable me to handle promptly all orders that I receive. If you buy Strawberry Plants, get in communication with me before contracting for your next season's supply.

## W. W. THOMAS

"THE STRAWBERRY PLANT MAN."  
ANNA, ILLINOIS.

Established 1845

## Bryant's Nurseries

PRINCETON, ILLINOIS

Sixty-four years in growing, handling and selling all kinds of Nursery Stock is the record of our house.

Well grown trees and plants, careful attention to details, courteous treatment and promptness in the execution of orders is what has built up the business to its present large proportions.

### Our Specialties Are

**Ornamental Trees and Shrubs  
Barberry Thunbergii, Privet, &c.**

**Peonys**—We have 50000 to offer in the best sorts.

**Forest Seedlings by the Million**—You will find prices right.

Also have a large surplus in Apple, Cherry, Currants and Gooseberries.

WRITE US FOR WHAT YOU NEED

**ARTHUR BRYANT & SON, Princeton, Illinois**

## Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

## BOX STRAPS

**WARD-DICKEY STEEL COMPANY**

INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

**For Sale.** One of the best Nursery, Seed and Greenhouse business propositions on the Pacific coast. Rapidly increasing trade. Satisfactory reasons for offering for sale. No use corresponding unless you have \$10,000 or \$15,000 to invest as a starter.

"A. B.," care of NATIONAL NURSERYMAN.

**W**E make a specialty of collecting accounts for the Trade.

For particulars and references, address the

**National Florists' Board of Trade,**

56 Pine Street, New York City

## JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.  
Write direct to us, we have no agents.

## Vincennes Nurseries

W. C. REED, Prop., - VINCENNES, IND.

### OFFER FOR FALL 1909

Cherry 2 Year in Car Lots

Cherry 1 Year in Car Lots

Our Cherry promises very fine both in 1 and 2 year. Also general line of other Nursery Stock.

Cherry Buds to offer in any quantity in season ready to cut July 1st.

## KANSAS CITY NURSERIES

**GEO. H. JOHNSTON, Proprietor**

(Successor to Blair & Kaufman)

233-234 Rialto Bldg., Kansas City, Mo.

Offer for FALL 1909 and SPRING 1910 large stock of Carolina Poplars; Catalpa Seedlings; Cal. Privet; Concord Grapes; Currants; Asparagus; and a full line of Ornamental Shrubs, Paeonies, etc.



## J. H. SKINNER & CO.

Station "A," Topeka, Kansas.

### Fruit, Shade and Ornamental Trees

∴ FLOWERING SHRUBS ∴  
APPLE AND PEAR SEEDLING  
∴ FOREST TREE SEEDLING ∴

## E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,  
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,  
Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

## YOUNGER & COMPANY

GENEVA, NEB.

### CHERRY TREES

WESTERN GROWN

Our Trees are Vigorous, No signs of Fungus, or Leaf Mould, Well Graded and  
Price Right.

EUROPEAN PLUM. We have a fine assortment.

STANDARD PEAR. A good supply of standard sorts.

GRAPE VINES. Fredonia Grown and up to Grade good  
clean stock.

SHADE TREES

ORNAMENTAL TREES AND EVERGREENS

IN LARGE QUANTITIES

Write for Prices

ESTABLISHED 1868

F. W. MENERAY

## Crescent Nursery Co.

Council Bluffs, Ia.

We offer our large stock of  
PAEONIES at a special low price  
for Spring, 1909. Also a large stock  
of Cherries, Plums, Pears, Goose-  
berries, Deciduous Trees and Orna-  
mental Shrubs.

When writing to Advertisers mention The National Nurseryman.

## The L. Green & Son Co.

PERRY, LAKE CO., OHIO

### Specialties for Fall 1909

A strong lot of two year, stand-  
ard and dwarf, Pear, Plum,  
Cherry and Peach; also a fine  
line of Ornamentals. A mod-  
erate amount of 2 year Currants  
—strong on London Market.

Let Us Figure on Your Wants  
Before Placing Your Orders

Established 1780.

## Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1909

FOR NURSERY STOCKS OF THEIR OWN  
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

## W. T. HOOD & CO.,

Old Dominion Nurseries

RICHMOND, VA.

### Specialties for Spring 1909

Japan Pear Seedlings; California Privet---Fine Plants.

Special Inducements in Carload Lots

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all  
varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2  
yr., Champion, Orange, Meeches & Reas, exceptionally  
fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

GENERAL LINE OF NURSERY STOCK

Correspondence Invited.

When writing to Advertisers mention The National Nurseryman.



## FOR FALL 1909

We have the largest and most complete assortment of Ornamental Trees, Shrubs and Herbaceous Plants we have ever grown. Also Tree Seedlings in large variety.

We have genuine Catalpa Speciosa and Black Locust in large quantities. You cannot afford to buy before getting our quotation, it will pay you.

Are now ready to quote you.

**The Willadean Nurseries**  
WARSAW, KENTUCKY.

**A BARGAIN** IN STANDARD PEARS.  
Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere  
Address,

**PIONEER NURSERIES COMPANY,**  
Salt Lake City, Utah.

## Surplus Stock, Spring 1909

50,000 PEACH TREES, 1 yr. from bud.

10,000 APPLE, 1 yr. from bud.

100,000,000 STRAWBERRY PLANTS in six leading sorts.

MYER No. 1, AROMA, STEVEN'S CHAMPION.

Superior.

Gandy.

A general assortment of other stock.

D. S. MYER & SON,

Bridgeville, Del.

## FARM USES OF CARBOLINEUM

ARE COMPLETELY EXPLAINED IN BULLETIN 26

covering Kinds and Habits of Lice—The care of Silos. Preservative treatment of Shingles and Fence posts and the care of Fruit and Shade Trees. Mailed free upon request.

Endorsed by U. S. Department of Agriculture  
CARBOLINEUM WOOD PRESERVING CO.

341 West Broadway, NEW YORK

## DREER SPECIALS

Hardy Perennials, Paeonies, Iris, Hardy and Tender Water Lilies and Aquatics, Hardy Vines and Climbers, Decorative Greenhouse Plants, Palms, Ferns, Ficus, Araucarias, etc.

Bay Trees and Trained Box Woods, Hardy Rhododendrons, Azaleas, etc.

Flower and Vegetable Seeds, Bulbs, Implements, etc.

Wholesale catalogue issued quarterly and sent to the trade only. Write for a copy.

**HENRY A. DREER, PHILADELPHIA, PA.**

## The New England Nurseries, Inc.

BEDFORD, MASS.

HIGH GRADE FRUIT AND ORNAMENTAL  
TREES, SHRUBS, ROSES AND  
HERBACEOUS PERENNIALS

We grow everything required for Orchard. Garden, Lawn and Landscape Planting.

Catalog and Trade-list on application.

## NORTH CAROLINA NATURAL



## Peach Pits

Gathered in the mountains of North Carolina where the Yellows are unknown. Write for prices.

JOHN A. YOUNG

Greensboro, N. C.

## HARDY NEW ENGLAND GROWN NURSERY STOCK

**W**E grow a general assortment of Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc. Prices reasonable. Wholesale Trade List for the asking.  
**BAY STATE NURSERIES, North Abington, Mass.**

## LABELS for NURSERYMEN

Plain or  
Printed

**The Benjamin Chase Co**

Derry Village, N.H.

• Ben Davis





The pleasant home of J. F. Rosenfield and family, a noted peony specialist, West Point, Nebraska.



# The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

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Vol. XVII.

ROCHESTER, N. Y., AUGUST, 1909

No. 8

## PEONIES FOR THE TRADE

### THE INTERESTING ESTABLISHMENT OF A WHOLESALE GROWER OF THIS GRAND OLD FLOWER

J. F. ROSENFELD, West Point, Neb.

Interest in the Peony as a Flower for the Garden of the Rich Man as Well as for the Poor Man is Increasing. Time was When it was Regarded as Vulgar and Common. This was in the Days When Mere Variety, not Intrinsic Merit, was Accepted as the Standard by Which Plants Were Judged. We now Analyze the Qualities of the Plant, its Innate Beauty, its Vigor and its Adaptability and Rate it Accordingly. Judged by These Standards the Peony Finds a Home in the Gardens of the Rich by Reason of its Variety, Grace and Beauty; in the Gardens of the Poor by Reason of its Sentimental Associations and Rugged Ability to Bear up Against Possible Adverse Conditions and Over a Wide Stretch of Territory, Ranging far North and West, East to the Boundary and Well South to the Region of the Sub-tropical Flora. The Rosenfield Gardens are Doing Their Part in Popularizing This Valuable Perennial.

The following seven reasons are given in Cornell Experiment Station Bulletin 259 for the popularity of peonies:

1. "They are easy to grow; anyone can raise glorious peonies with less trouble than it takes to grow roses.

2. Peonies well established are permanent features in the garden, or at least as permanent as is desirable.

3. Peonies are perfectly hardy wherever apples can be grown, passing through the most severe winters without injury, and being very easily protected when not hardy.

4. The blooms are large, showy, of various forms, and of all shades of color from white to purple, and even pale yellow.

5. Many of the varieties are deliciously fragrant.

6. They are practically free from disease and insects. No spraying, dusting, or hand-picking of worms is necessary.

7. They are equally successful as a cut flower and for artistic landscape effects."

#### BEGINNING OF THE ROSENFELD GARDENS IMPORTATION

Mr. J. F. Rosenfield began growing peonies in a small

way in 1884, or 25 years ago. At this time his entire stock in trade consisted of between 200 and 300 roots comprising some 20 varieties. The collection grew rapidly under the stimulus of the strong, personal interest of the proprietor. Large importations from Europe and Britain were made till the collection has grown to the enormous proportions of over 600 distinct kinds. Some of these are of home production. Mr. Rosenfield records disappointment in some of his English importations while



Peonies and Peony lovers in the Rosenfield family.

he finds those from some of the leading French specialists were notably satisfactory. We may add parenthetically that this experience does not seem to be unique. It is most regrettable that neither ordinary care nor ordinary conscience seems to have been used in the handling and distribution of many English kinds. Mr. Rosenfield records that out of 125 kinds im-



ported from England not more than 20 proved worthy of propagation and nearly the entire lot were untrue to name.

#### BREEDING PEONIES

Soon after engaging in the peony business Mr. Rosenfield turned his attention to the development of new varieties. Large numbers of seedlings have been grown, many have been discarded but extensive selections have been made and at least 200 varieties have been added to the Rosenfield list. It is likely that out of this group 15 or 20 of the best will be named and offered to the trade. In 1900 Mr. Rosenfield introduced two varieties which are recognized as worthy additions to our lists, viz.: Golden Harvest and Floral Treasure. A more recent introduction Karl Rosenfield is thought by the introducer to be the finest crimson in his entire collection and to combine a maximum of good points including constitution of plant and quality

#### LOCATION

We remember asking an eastern Kansas man some years ago when perhaps we knew less of the geography of the United States than we do now, where he resided. He responded proudly "find the geographical center of the United States and there you'll find me." This applies to the location of West Point, Nebr., also. It lies in the rich valley of the Elkhorn where soil and climate provide favorable conditions for the development of strong, healthy peony roots. Even as this sketch is being written the location of the peony garden is to be changed. Under date of July 15th, Mr. Rosenfield writes that he has just purchased 25 acres of land on West Dodge street, Omaha, five miles from the center of the city. To this location the whole establishment will be moved within the next two years.

Mr. Rosenfield says "The best time for planting peonies is in the fall of the year, preferably early in Septem-



Panoramic view of the Rosenfield Peony gardens, West Point, Nebr.

of flower. This improvement work is going steadily and as rapidly as time and opportunity will permit.

#### A WHOLESALE BUSINESS

Up to the present time the business has been chiefly wholesale. Large shipments have been made to all parts of the United States and Canada. The Rosenfield gardens were large contributors to the American Peony Society test plots at Cornell. They furnished 113 varieties in 1904 and when the commercial collections were added in 1907 an additional consignment of 64 varieties.

#### MEMBERS OF THE COMPANY

Up to the present time Mr. J. F. Rosenfield has borne the responsibilities of proprietor and manager, but he will be assisted from this time on by his son Reno who for the past four years has been on the staff of the *Omaha World Herald*, but who now resigns to take an active part in the business of growing and selling beautiful peonies. Mr. Rosenfield Junior brings into the home enterprise a legal as well as a business and journalistic training. He will assist materially in promoting a business which has now reached the point of rapid expansion.

ber. The earlier set the better, for root action begins soon after putting into the ground." The Rosenfield wholesale list includes upwards of 90 varieties which cover an area of some ten acres. Careful attention is given to orders of specialists and other interested amateurs.

#### WHAT ARE THE BEST PEONIES?

An answer to this question is not likely to receive the unanimous concurrence of a large number of persons at the present time. We can never eliminate the factor of personal taste. Then it is difficult to judge varieties apart from these personal phases. If it were possible to judge each variety by a standard of commercial value, then we might expect considerable unanimity, but judgments on beauty are always variable.

Among the points which are to be considered important in judging peonies are floriferous quality—and this includes the ability to open flowers under unfavorable conditions—strength of stem and keeping qualities, the latter very important from the commercial standpoint. The following varieties include those which made a good showing at Mr. B. H. Farr's place in Reading, Pa., at the Cottage Gardens, L. I. and in the Cornell Experimental plots. The list is classified



according to color, but it is to be remembered that this question of color is a difficult one in that peonies vary considerably in the depth of their tints during the period of maturity. All peonies can be classified from the color standpoint under the following heads:

1. White or cream. 2. Light pink or flesh colored.
3. Rose pink. 4. Red and crimson.

1. There will probably be less difference of opinion as to the best white and cream than in the other groups. The following will undoubtedly receive votes from a large proportion of peony growers: Festiva Maxima, Duchess de Nemours (Calot), Madame de Verne Ville, Couronne d'Or, Avalanche, Festiva, Mons. Dupont, Madame Crouse, Baroness Schroeder, Marie Lemoine.

To these might be added another cream-white less well known than the others, which has made an excellent showing in the Cornell plots this year under the name of Alvatre.



Nearly 1/4 mile east of Rosenfield home, West Point, Nebr.

2. Light pink or flesh color: La Tulipe, Marguerite Gerard (this is sometimes fickle in behavior, a quality perhaps not restricted to Marguerite), Madame Emily Lemoine, Germaine Bigot, Madame Emily Gallee, Potts Alba, Grandiflora Richardson, Etta.

3. Rose pink: L'Esperance, Edulis Superba, Modeste Guerin, Alexandriana, Doctor Brettonneau (Verdier), Madame Ducel, Monsieur Jules Elie, La Martine, General Bertrand.

4. Crimson or red: Doctor Caillot, Felix Crouse, August D'hor; Constance Everett, Grover Cleveland, Thurlow Double Red, Monsieur Martin Cahuzac, Marechall McMahan, Marechall Valiant, De Lache.

The above list contains a considerable number of varieties recommended by Mr. George C. Thurlow, of Cherry Hill Nurseries, West Newbury, Mass. in a recent article in *Horticulture*. It contains also several varieties strongly recommended by Mr. B. H. Farr of Reading, Pa.

The McFarland Publicity Service, of Harrisburg, Pa., are sending out complimentary photographs of their exhibit rooms, also of the convention hall where the American Association of Nurserymen held their 34th annual convention.

Advertising is the lubricant that makes business run swiftly and without friction. A trial will convince the most pronounced skeptic.

## The Annual Convention

### INVITATION FROM THE DENVER CONVENTION LEAGUE

DENVER, COL., June 26, 1909

EDITOR NATIONAL NURSERYMAN:

We have been informed by our local nurserymen that a referendum vote is to be taken among the members of the American Association of Nurserymen as to the meeting place of that organization in 1910.

The Denver Convention League, representing the foremost business men of the city, extends to you a most cordial invitation to hold your meeting in this city. We have entertained many conventions and each one has acknowledged the superior facilities given and entertainment received.

We will furnish you a meeting place and such committee headquarters as may be necessary, free of all expense to your organization; we will co-operate with the local committee to provide such entertainment as may be determined upon. We believe that your coming to this section of the country will result in a largely increased business. Agriculturally and horticulturally Colorado is now very much alive.

We sincerely hope that you will vote in favor of holding your 1910 convention in the City of Hospitality—Denver.

Yours very truly,

W. F. R. MILLS, Secretary

### DENVER SECURES THE CONVENTION FOR 1910

At latest reports Denver had secured such a lead over St. Louis for the place of meeting for next year's convention that the question seemed practically settled. In order to secure the cooperation of the Pacific Coast Nurserymen, President Stannard has presented to them a cordial invitation by the hand of Mr. Thos. B. Meehan to meet with the American Association in Denver in 1910. This action was timely and thoughtful. The attendance of the Western men is much to be desired at all times but more especially at the Denver convention. We can be sure that with Mr. Meehan as envoy the invitation will be as enthusiastically received as warmly presented. The letter is as follows:



## INVITATION TO PACIFIC COAST NURSERYMEN

OTTAWA, KANS., July 7, 1909.

To Mr. C. Malmo, President,  
Pacific Coast Association of Nurserymen,  
Seattle, Wash.

My Dear Sir:

On behalf of the American Association of Nurserymen I extend to you and the members of the Pacific Coast Association of Nurserymen a most hearty greeting and express the wish that your meeting in Seattle may be the most profitable of any yet held by your Association.

a joint session of the two Associations. You are aware of the fact that Denver is one of the best convention cities in America, and is located in one of the finest sections of the country to visit at that season of the year; on this account and for many other reasons as President of the American Association I want to urge you to be present.

We are engaged in the same business and each section of this great country affects every other section. We know that there has been a very rapid development of the Pacific Coast trade, and we believe that the aggressive spirit that has produced such development will be of real value in



At the recent meeting of the American Association of Nurserymen held in Rochester, N. Y., we were gratified that there were a few men in attendance from the Pacific Coast, yet the number did not at all compare with the great importance of the nurserymen's business in your rapidly developing section of the country.

We recognize the fact that on account of the great distance to the usual place of meetings of the American Association, and the necessary time consumed in travelling it has been impossible for many of you to attend. However, it seems probable at the present time, that our meeting next year will be held in Denver and hope it may be possible for your Association to hold its meeting there at the same time the American Association meets and if consistent hold

promoting the success of the meetings of the American Association. Then again, these meetings of nurserymen from all parts of the country afford an excellent opportunity to exhibit as well as buy and sell each others' products. Still further, one of the greatest benefits arises from the social features of the meetings. Acquaintances are formed that are profitable socially as well as commercially.

Therefore, in behalf of the American Association, I want to extend to the members of this Association a most hearty invitation to meet with us next year and co-operate with the other nurserymen of America in advancing the interests of those in like vocations in all parts of the country.

I am asking Mr. Thos. B. Meehan of the well known firm of Thos. Meehan & Sons, nurserymen of Dreshertown, Pa.,



to present this invitation, knowing that he expects to be present at your meeting.

Very truly yours,

F. H. STANNARD,  
President American Association of Nurserymen

### IN FAVOR OF DENVER

EDITOR NATIONAL NURSERYMAN,

Sir:

We understand there is a fair prospect of Denver being selected for the next meeting place of the American Association of Nurserymen, through a movement started at Rochester, and that the Pacific Coast Association will be invited to meet the American Association here, in the event that Denver is selected as the next meeting place. We do not think we can say anything in regard to Denver with which the members of the Association are not familiar, but will simply say that climate, scenery surrounding, added to

will be no fee for this license. The only thing required is that the application blanks should be filled out and signed by each agent, and forwarded to the office of the State Agricultural Department at Augusta, Maine, whereupon license will be issued."

The application blanks can be procured by each agent from the above named office, or if desired, blanks will be furnished to the firm in quantity, for use of their agents.

Yours truly,

WM. PITKIN

### REPORT OF COMMITTEE ON TARIFF

Your Tariff Committee took up the preliminary tariff work, by holding a joint meeting with the Tariff Committee of the Eastern Nurserymen's Association last September. We were all very anxious to find a method that was feasible for levying specific duty on all trees and shrubs that were



Peony season at the Rosenfield Peony gardens, West Point, Neb.

a beautiful city make Denver the ideal Convention City.

We understand that our Mayor, Chamber of Commerce and other Commercial Organizations, have or will extend invitations to both Associations, and we wish also to extend an invitation to both and assure every member that Denver will take care of the convention in a manner equal to if not better than any city in the country.

Yours very truly,

The NORTHERN NURSERY CO.,  
By A. M. FERGUSON.

### LEGISLATION

EDITOR NATIONAL NURSERYMAN,

Sir:

During May as Chairman of the Legislative Committee at that time, I took up the question of a law passed by the Legislature of the State of Maine during the past winter, relative to the nursery interests, and as there seemed to be some question about one or two points of the Law, I have had some correspondence with the Maine officials, and am informed today that—"Each person who solicits orders for nursery stock in Maine, will have to have a license. There

being imported under the Dingly Act on a 25% ad Valorem basis. After long consideration and careful study it was unanimously decided that no such arrangement could be made, as it would either take a paragraph bigger than the entire Tariff Act, or it would result in 10% duties on some things and 30% on others, neither of which propositions did we believe the government would stand for. However, at the instance of Messrs. Meehan, Moon and others we requested the Ways and Means Committee to fix a specific duty on certain classes of trees and shrubs, which was turned down by that Committee, as were our other proposals except that they gave us the \$1 specific duty we asked for on Mazzard, Mahaleb and Myrobolan Seedlings.

In the meantime the florists and seedsmen were hauling us over the coals, the florists taking special exception to our 4 cent rate on roses and duty on rose stocks. A joint meeting with the Tariff Committees of the Florists and seedsmen was arranged at Buffalo where our budding differences were patched up by our agreement giving the florists and seedsmen a free hand in the tariff schedules affecting their duty in return for their non-interference in our schedules.



The seedsmen were in the same position as we, in trying to secure a specific duty, and were even worse off if possible under the Dingly Act. They succeeded in the Senate Finance Committee in getting pretty nearly what they wanted, although the Payne Bill made no change in the schedule.

As the Senate Finance Committee gave no hearings it was imperative to get some member of that committee to look after our interests. Through Mr. Abner Hoopes, who is a personal friend of Senator Penrose of Pennsylvania, Senator Penrose agreed to take the matter up. He obtained the repeal of a paragraph which had put Evergreen Seedlings on the free list, which was claimed to be a clerical error and may have been one as it was tacked on a paragraph relating to free seeds only.

Last Wednesday on the telegraphic request of Senator Penrose I went to Washington and the nursery paragraph was finally arranged as follows:

260. Stocks, cuttings, or seedlings of Myrobalan plum, Mahaleb or Mazzard cherry, Manetti multiflora and briar rose, three years old or less, one dollar per thousand plants; stocks, cuttings, or seedlings of pear, apple, quince and the Saint Julien plum, and evergreen seedlings, three years old or less, two dollars per thousand plants; rose plants, budded, grafted or grown on their own roots, four cents each; stocks, cuttings and seedlings of all fruit and ornamental trees, deciduous and evergreen, shrubs and vines and all trees, shrubs, plants and vines commonly known as nursery or green-house stock, not specially provided for in this section, twenty-five per centum ad valorem.

If there is no objection in the Finance Committee the rates will be reduced but the specific features retained. Mr. Sharitts, Chief U. S. Appraiser has given his endorsement of the schedule to the Finance Committee and we confidently expect the bill will pass finally as they recommend.

The Chairman of the Committee desires to put on record his thanks to the members of the Committee for their ready help and assistance.

In no case has personal business been allowed to interfere in the quick response, often at telegraphic notice of work required.

Very respectfully submitted,  
IRVING ROUSE

The members of the Committee were: William Pitkin, F. H. Stannard, J. H. Dayton, Theo. J. Smith, J. M. Pitkin, Abner Hoopes.

NOTE: I consider the present system of allowing the Chairman of a Committee to make up his Committee, a most necessary and useful one. It is really the greatest improvement in doing business the Association has made in recent years.

IRVING ROUSE, Chairman

#### NEW YORK FRUIT GROWERS ORGANIZE SELLING EXCHANGE

An important meeting of prominent fruit growers of Western New York was held in Rochester on July 17th.

The purpose of the occasion was to organize an exchange which would handle the products of Western New York orchards. There were over one hundred growers present representing the producers of Central and Western New York. A temporary organization presented a slate containing the names of fifteen directors. These men were elected and empowered to incorporate the institution under the laws of New York. After the incorporation the directors will prepare a constitution and authorize the sale of stock.

The following were elected to the Board of Directors: C. H. McClew, Burt; Frank Bradley, Barkers; Jay Allis, Medina; Irving Rowley, Medina; Sam Smith, Albion; Clark Topley, Holley; Francis J. Miller, Byron; William Roeper, Wyoming; S. W. Wadhams, Clarkson; Luther Collomer, Hilton; A. Emerson Babcock, Brighton; Frank Murphy, Morton; W. R. Teats, Williamson; T. B. Wilson, Halls; E. W. Catchpole, North Rose. These directors will elect officers of the organization, as follows: President, three vice-presidents, treasurer, secretary, general sales agent and a general manager.

While no definite scheme of organization has been adopted it is probable that it will take some such form as the following: A company is to be incorporated with a capital of about \$40,000, of which 20 per cent. is to be paid in at once, as working capital. The remainder is to be held as treasury stock. The shares are to have a par value of \$100. The stock is to be fully paid and non-assessible. Each must purchase at least one share. The limit of treasury stock to be sold to any one person is to be decided by the Board of Directors. New York state growers and shippers are eligible to membership, but must be approved by the Board of Directors. The exchange is to handle products for the members on a 5 per cent. basis, and for others upon a basis to be fixed by the directors.

#### NURSERY CONTROL

The following are the two chief clauses in the proposed new Act to regulate the sale of nursery stock drafted by a joint committee of nurserymen, and members of the Ontario Fruit Grower's Association, Canada.

An Act to regulate the sale of nursery stock.

Nursery stock means any fruit-bearing trees, vines, shrubs or plants.

No one shall engage in such business or shall import without a license.

All stock sold shall be labelled with its true name.

No firm shall substitute without the written consent of the purchaser.

Any nurseryman shall be liable, under this Act, till one year after the trees come into bearing.

Nurserymen cannot contract out of this liability.

The Department of Agriculture shall publish a list of licensed nurserymen.

Licenses to be issued and good for one year, and can be cancelled for infringement.

Any person can be fined for infringement.—*Free Lance.*

Dear Sir:

Enclosed please find \$1 to pay for the NURSERYMAN to 1910. We have got to have it.

Yours truly,

W. W. HUNT & Co.,

Hartford, Conn.



## THE EXCHANGE IDEA IN WESTERN NEW YORK

The Growers' and Shippers' Exchange of Western New York was organized in Rochester, July 18, 1909. It is a new movement for this state and is participated in by the most prominent and active growers and shippers of this region. The election of officers held July 26, resulted in the following list: President, S. W. Wadhams; first vice-president, Frank Bradley; second vice-president, T. B. Wilson; third vice-president, W. R. Teats; secretary, Irving Rowley; treasurer, A. Emerson Babcock.

The general policy of the organization is outlined in the following paragraphs. It will readily be seen that the formation of the exchange for western New York is but the first step towards new conditions between the fruit-growers and shippers of this state and ultimately of the whole East.

At the meeting of July 26, it was agreed that there be an effort to form a local association at each loading station in Western New York, to work in conjunction with the Growers' and Shippers' Exchange, which will act at a clearing house for the growers and shippers associated therewith, and that a special effort be made to establish a rule of packing and grading without any deception whatever.

It will be the policy of the Growers' and Shippers' Exchange to put the products of the members on the market the year round, giving careful consideration to climatic conditions and probable monthly needs, at all times selling freely at F. O. B. prices, or at the prevailing market prices at the time delivered, as the buyer and the grower may prefer; also to do all in its power to extend its district, and to force sales through its advertising and its employees to every possible market, realizing that glutted and uneven markets mean in the long run higher prices to the consumer, but smaller returns to the grower.

With an even market both retailer and wholesaler are willing to work on a small margin, but they will not handle products on an irregular market as to price without a much higher leeway for profit.

Each local association will establish its own brands and grades, prepare cars ready for shipment, then notify the Clearing House Exchange at Rochester, giving a manifest of each car, and then the Clearing House Exchange will give shipping instructions.

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## Brief Notes

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Prof. John Craig will leave soon for an extended tour of the Pacific coast. He will deliver a number of addresses and investigate the horticultural status of the West at present.

E. J. Seager, brother of Geo. F. Seager, secretary of the national association is recovering from a serious operation performed several weeks ago.

Forestry in New York state has received impetus from the appointment of two foresters by Commissioner Whipple of the Forest, Fish and Game Department. The new foresters are F. F. Moon, of Nazareth, Pa. and a graduate of the Yale Forestry School and W. G. Howard

of Somerville, Mississippi, and a graduate of the Harvard School of Forestry.

Thomas B. Meehan and J. H. Dayton have been traveling together in the West for a number of weeks. When last heard from they were in Salt Lake City investigating the Mormon city, a great city for nurseries. Their next destination is Colorado Springs.

Orlando Harrison of Berlin, Md. writes that they have from twenty to thirty men busy at budding with as many more tying. A large force is engaged in keeping the land in good condition. The outlook seems favorable for high prices. There is a scarcity of labor because those formerly on the farms and nursery lands have left them for easier occupations in the city.

## THE 1910 CONVENTION CITY

The result of the ballot by letter for the convention city of 1910 has resulted in the choice of Denver, Col. The vote as announced by the Secretary of the national association was 197 for Denver against 163 for St. Louis. The citizens of the city chosen have already signified their desire to entertain the nurserymen at the time of their annual gathering. From the cordial welcome already extended it is assured that the next convention will be one well taken care of.

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## Obituary

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Colonel J. C. Evans, a pioneer citizen and leading horticulturist of Missouri, died July 10 at the age of 76, as the result of an operation. He was a charter member of the Missouri State Horticultural Society organized in 1859, treasurer of the Society 1874, president from 1876 to 1880 when he was again elected treasurer, which position he held to 1884 when he was again elected president, holding this position for 14 years. He was treasurer of the American Horticultural Society from 1886 to 1894 of which W. H. Rogan was secretary. He was also Superintendent of Horticulture for Missouri at the World's Fair, Chicago, collecting and making Missouri's splendid exhibit.

Colonel Evans was one of the first men to recognize the possibilities of Missouri as a fruit state and was always one of its most valuable and enthusiastic horticulturists. He never missed any of the meetings of the State society until his health began failing two years ago. His interest was just as manifest for the success of the society and horticulture when a private member as when in office. He brought out the Evans raspberry, Miller persimmon and Evans peach. He was a close friend and financial supporter of the late Judge Samuel Miller of Bluffton, Mo., in his great work for Horticulture in the Central West. He organized the Olden Fruit Company in 1884, which planted one of the largest orchards in the United States at that time and which led to the development of Southeast Missouri as a great peach section. He was a man of splendid, personal character. In the death of Col. Evans the society of Missouri loses one of its most valuable and beloved members, and the state one of its best citizens.



# The National Nurseryman

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Vice-President and Editor, . . . . . JOHN CRAIG  
Secretary-Treasurer and Business Manager, . . . . C. L. YATES

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ROCHESTER, N. Y., AUGUST, 1909.

## AMERICAN ASSOCIATION OF NURSERYMEN.

President—F. H. Stannard, President of F. H. Stannard & Co., Ottawa, Kas; vice president, W. P. Stark, Louisiana, Mo.; secretary, Geo. C. Seager, Rochester N. Y.; treasurer, C. L. Yates, Rochester, N. Y.  
Executive Committee—J. H. Dayton, Painesville, O.; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.  
Transportation—W. P. Stark, Louisiana, Mo.  
Tariff—Irving Rouse, Rochester, N. Y.  
Legislation—Chas. J. Brown, Rochester, N. Y.  
Co-operation with Entomologists—Orlando Harrison, Berlin, Md.  
Program—J. W. Hill, Des Moines, Iowa  
Publicity—Thomas B. Meehan, Dreshertown, Pa.  
Exhibits—E. P. Bernardin, Parsons, Kans.  
Arrangements—Geo. C. Seager, Rochester, N. Y.  
Editing Report—Geo. C. Seager, Rochester, N. Y.  
Entertainment—Jas. A. Weber, Nursery, Mo.  
Forestry—C. M. Hobbs, Bridgeport, Ind.  
National Council of Horticulture—C. L. Watrous, Des Moines, Iowa.

## STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.  
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.  
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.  
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.  
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.  
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.  
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.  
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.  
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.  
Pacific Coast Association of Nurserymen—President, C. Malmo, Seattle, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.  
Pennsylvania Nurserymen's Association—President, Thos. B. Meehan, Dreshertown, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.  
Southern Nurserymen's Association—President, Henry B. Chase, Huntsville, Ala.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.  
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.  
Texas Nurserymen's Association—President—J. B. Baker, Ft. Worth, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.  
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kans.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.

## THE APPLE CROP

Surmises in regard to the probable apple crop of the country are now in order. Accurate guesses may not be expected, but certain facts are known and on the face of it, it is plain that we need not expect a large crop of apples this year. As usual New York shows up as promisingly as any of the states. The prospects, although somewhat marred by aphid infestation and an epidemic of apple scab in certain parts of the country, are that New York will turn out a fair crop of apples, measured at least by quantity; what the quality will be, will depend considerably on the vigilance and care of the cultivators.

Pennsylvania promises a moderate crop also. There seems to be little or nothing in that elusive region of the Middle West. Illinois and Indiana are largely out of the game. The Ozarks will contribute but little. Going to the region of the Rockies, however, we find Colorado talking cheerfully of a full crop. Oregon and Washington prospects indicate a moderate to light crop, while the vagaries of a late British Columbia winter seem to have cut down the probability of anything more than a light crop in that region.

On the whole then, New York and Colorado seem to be in the lead and we may not expect anything more than a moderate crop of fruit, the quality of which is yet to be determined largely by the character of the weather and the vigilance of the grower.

Probably there is no place in farming or horticultural operations where the influence of intelligent management, which means good cultivation and adequate feeding, is more apparent than in the growing of tree crops. Whether the nurseryman's one year olds will grade 90 percent of No. ones or 90 percent of No. threes makes all the difference between profit and loss. One of our correspondents writes us recently in a well satisfied strain in regard to the results which he has secured by cultivating thoroughly and feeding intelligently. He says there are plenty of six foot trees, some 7 foot and a few 8 foot. These are all spring planted root grafts. These were planted on soil which was formerly so thin that it would scarcely grow wheat and very poor corn. The growth was secured by a thorough preparation in the way of deepening and softening the area in which the roots feed and following this with applications of fertilizers and continuing the programme by keeping the cultivator going throughout the growing season." When I tell you that we have about a half a million trees in blocks of this kind you will appreciate why we are feeling happy at the present time."

In our opinion there is no danger of over growth provided the growth comes early enough in the season to allow the wood to ripen satisfactorily.

## OREGON AND NEW YORK APPLES

An enthusiastic writer in one of the Oregon papers has recently said that residents of New York will some day buy their apples in Oregon. This man must have a very acute and far sighted type of prophetic vision. There is certainly nothing in the



condition of apple growing in New York State at present, nor in that of Oregon, which would warrant the assertion. It is stated as an argument, that because New York apple trees live long and grow large, therefore, they are more likely to fall a prey to San Jose scale than the smaller and shorter lived trees on the Pacific Coast. We fail to see the force of this argument. If longer life means greater vitality, then it seems to us that the New York tree has the advantage. If it is a mere question of maintaining small size, or dwarf form for the purpose of more convenient spraying, this can be done as well in New York as in Oregon. But we are of the opinion that long life and large size indicate congenial environmental conditions. Where these prevail, as in New York and the East, we ought to secure a maximum of vigor.

There is no doubt that in the irrigated regions of the West where dry atmospheric conditions prevail, the color of the fruit and the size of the fruit are of the highest grade. But the greatest satisfaction is secured from the contents of the apple, not from a contemplation of the exterior. There is no question at all that the highest flavors in given varieties are found in apples grown in the East; and New Yorkers and New Englanders need not fear the competition of the West, provided that they exercise the knowledge they possess in combating injurious insects and fungous diseases, in addition to practicing the best methods of orchard management.

#### THE PEONY

The introduction of the peony into the United States is undoubtedly coincident with the establishment of home gardens, for long before the colonists reached Virginia on the New England coast this flower was an old and favorite tenant of the gardens of England and the Continent. There seems to have been comparatively little progress made, however, in exploiting it in this country prior to the time of the Prince's Nurseries on Long Island. It is noted in his treatise on horticulture that he grew a number of seedlings about the middle of the last century. This nursery was also instrumental in distributing such named varieties as were then known to growers in the United States.

One of the earliest of our peony enthusiasts was the late H. A. Terry, of Crescent, Iowa, who credits the Prince's Nurseries with a collection of about thirty varieties obtained from that source in 1857. Mr. Terry's work with peonies is well known. It was less than a year ago that the writer saw this venerable plant lover near his home in western Iowa, and heard him lament that his years for this kind of work were inevitably short.

Another peony lover in the east, whose work has been recorded in Bulletin 259 of the Cornell Experiment Station, and elsewhere by his nephew Dr. Robert T. Jackson, was John Richardson of Dorchester, Mass. He grew a great many seedlings and several varieties in cultivation at the present time bear his name.

The present status of the peony is that during the past four or five years, owing to the influence of the American Peony Society, a revival of interest in this good old garden flower has taken place. A large collection has been gathered

at Cornell, where the nomenclature is being studied in co-operation with a committee appointed by the American Peony Society. The work thus far has been marked by two important steps. The first was the issuance of a check list giving the names of all known varieties of peonies and a bibliography of peony literature. This was followed by the bulletin mentioned above in which the botany, history and culture together with a select list of authentic varieties with careful descriptions are presented. Work is now in progress making for the publication of another bulletin which will add important matter to the two already published and which will be another step towards bringing order out of confusion. This work is being forwarded very materially by the committee mentioned composed of Mr. B. H. Farr, a peony specialist of Reading, Pa., and Mr. Dauphin in charge of the peony plots at the Cottage Gardens Nursery, Queens, Long Island. The interest which is being awakened in peony culture and the increased popularity of the flower together with the recognition of its value as a cut flower is drawing attention of nurserymen to the necessity of carrying a collection on their grounds. To this end nurserymen should watch the action of the Peony Society very carefully. The peony occupies a prominent place in this issue of the NATIONAL NURSERYMAN for which no apology is required.

## Doings of Societies

### NATIONAL SWEET PEA SOCIETY OF AMERICA

A movement on foot for the establishment of a National Sweet Pea Society culminated in New York early in July. Such a society was organized in Great Britain a number of years ago and seems to be able to maintain itself without difficulty. As pointed out in the *Florists Exchange*, one of the principal difficulties with some societies of this kind in a country of such tremendous expense as the United States is the problem of annual meetings. It is almost impossible to secure more than a handful of members at any one place for the reason that the membership is scattered over such a tremendous stretch of territory that it is practically and financially impossible for members to spare the time and expense necessary to attend the meetings.

It would seem, however, as pointed out in the *Florists Exchange*, that the work of such a society could largely be carried on by committees. The annual meeting would then be in the nature of a business meeting, and this after all is the principal object of such an organization, namely, to co-ordinate and stimulate the aims of the society and popularize the plant which it is dealing with.

The American Peony Society is doing real work as evidenced by the bulletins published by the committee on Nomenclature in co-operation with the Cornell Department of nomenclature in co-operation with the Cornell Department of Horticulture. Other work of this kind can be unquestionably conducted by societies having similar purposes in view.



The *Florists' Exchange* has the following account of the first exhibition and meeting of the National Sweet Pea Society of America:

"The organization of the National Sweet Pea Society of America was perfected at the meeting and exhibition held in the Museum of Natural History, Columbus ave. and Seventy-seventh st., New York, on Wednesday and Thursday, July 7 and 8. The exhibition was held on the ground floor of the new north wing of the Museum, which furnished an ideal exhibition room. The meetings were held in Siberian Hall in the main building. There was a fairly good attendance of sweet pea enthusiasts, all of whom subscribed to the roll of membership. After all exhibits had been staged, those present adjourned to the meeting hall, and promptly at 3 p.m. Mr. H. A. Bunyard called the assembly to order."

"We have assembled to-day," he said, 'to organize the National Sweet Pea Society of America. In March last we had taken preliminary steps looking towards such an organization, and the Society to be formed should be and must be successful.' He nominated Prof. Craig of Cornell University as chairman of the meeting and the motion was carried. Prof. Craig on taking the chair, said: 'I am at your service and am glad to second the remarks of Mr. Bunyard. It seems to me that the sweet pea is a flower well worthy of this type of official recognition. Personally, my only excuse for being here is to help you organize and promote this new society.'"

On motion of H. A. Bunyard, J. H. Pepper was appointed temporary secretary. The motion to organize was made by Mr. I. H. Hendrickson of Floral Park, N. Y., which motion was carried unanimously.

Prof. Craig: "The next step is the adoption of rules and regulations which shall guide this Society, and suggestions are now in order." On motion of H. A. Bunyard the chair appointed a committee of five to draw up a set of rules and regulations to govern the organization. The committee appointed was F. H. Traendly, W. Duckham, H. Turner, H. A. Bunyard and Chairman Craig. Some discussion as to the desirability of proceeding with the business of the meeting until the rules and regulations formulated had been adopted ensued and, finally, on motion the meeting took a recess to allow the committee to prepare a draft of the rules and to reconvene at the call of the chair. The committee immediately held a meeting and drafted a set of rules and regulations which were adopted as follows:"

#### RULES AND REGULATIONS

**NAME OF THE SOCIETY.**—The name of the Society shall be The National Sweet Pea Society of America.

**OFFICERS.**—The officers of the Society shall consist of a president, a vice-president a secretary, a treasurer and an executive committee as provided for below.

**OBJECTS OF THE SOCIETY.**—The objects of the Society shall be to encourage the cultivation and improvement of the Sweet Pea by exhibitions, field tests, conferences or in any other way the Society shall determine.

**MEMBERSHIP.**—The membership of the Society shall consist of two classes, namely: Life members and annual members. The fee for life membership shall be \$25. The fee for annual membership shall be \$2. Membership fees to be due on July 1, each year.

**PRIVILEGES OF MEMBERS.**—The members of the society shall be entitled to such reports as are published and free entry and admission to all exhibitions and meetings of the Society.

**CONDUCT OF BUSINESS.**—The business of the Society shall be conducted by an executive committee who shall select the place of the annual meeting. The executive committee shall consist of the president, the vice-president, the secretary and treasurer and three members to be elected by the Society. These members shall hold office three, two and one years respectively in accordance with the number of votes they receive; and they shall be replaced by vote of the Society.

**COMMITTEES.**—The following committees shall be appointed: A committee of three on nomenclature and test grounds; and a committee of three on exhibitions. These committees shall be appointed annually by the president of the Society.

**MEETINGS.**—An annual meeting for the election of officers and the appointment of committees shall be held at the time of the annual exhibition which will be announced by the secretary at as early a date as practicable. At this meeting the general business and programme as far as possible for the year shall be outlined. Special meetings may be called by the executive committee at any time when it is deemed desirable or necessary.

**AMENDMENT OF RULES.**—These rules may be amended at the annual meeting by thirty days' notice and by a two thirds vote of the members present.

#### OFFICERS

President, Harry Turner, Port Washington; Vice-President, W. H. Waite; Secretary, Harry Bunyard; Treasurer, Wm. Duckham; Executive committee, W. A. Burpee, A. C. Zvolonek, Wm. Sim.

#### TRIAL GROUNDS

It was decided to locate trial grounds with the Department of Horticulture of Cornell University. A committee consisting of

Professor Craig, Messrs. A. T. Boddington M. Fuld and Wm. Sim was appointed to supervise this important work. The seeds are to be furnished by the sweet pea men, the trials conducted and reports made by the department of Horticulture.

With a definite mission in view the society should be successful.



Rosenfield's section in the American Peony-Test plots at Cornell University.

#### THE EXHIBITION

"The excellent light in the exhibition hall enabled visitors to study color effect to the greatest extent. If it was desired to judge a color by artificial light, it was only necessary to step to the entrance of the main building to do so. The exhibits were staged on three long tables, running north and south.

The judges were Mr. G. W. Kerr, with W. Atlee Burpee Philadelphia, Mr. Wm. Sim of Cliftondale, Mass., and Mr. Edgar A. Higgins of Avoca, N. Y.

W. W. Rawson & Co. staged a fine collection and made lavish use of adiantum to decorate their vases. The cloth table cover was also strewn with adiantum and sweet peas.

Arthur T. Boddington made a liberal use of wire frames in his stagings, some very fine mass effects resulting.

W. A. Burpee & Co. of Philadelphia made a very extensive exhibit, their vases being arranged with the natural foliage on the vines. This exhibit was not in competition.



Wm. Duckham's staging was well done. He preferred a rather close arrangement of the flowers in his vases, which gave him a better color massing. Many of the commercial visitors considered that this was perhaps the best method of staging, inasmuch as it was more easily judged.

Valuable assistance in the decoration of the exhibition floor was rendered by Julius Roehrs Co., Rutherford, N. J.; they staged a magnificent group of tropical plants. In the collection was noted Croton F. Sander, and Acanthus montana, both novel, to say the least. They also showed a table of orchids, among them being the new Dendrobium regium and Cypripedium callosum Sanderæ—the green callosum, and some cattleyas of their own hybridization.

John Lewis Childs of Floral Park, N. Y., made a handsome showing with a display of iris and callas. The collection of callas was quite unique, embracing the pale yellow Mrs. Roosevelt, the primrose callas, Rhemanii, the deep yellow Elliottiana, the spotted Richardia alba maculata the primrose yellow aurata and a dwarf rose-pink blotched variety. The iris embraced several Japanese varieties.

Lager & Hurrel of Summit, N. J., had a fine display of orchids.

The Rosary Flower Co., 24 East Thirty-fourth st., New York, had a dinner table decoration in which the center was of sweet peas.

Harry Turner showed, from the Howard Gould establishment of Port Washington, a splendid specimen in flower of Acalypha Sanderiana hispida.

The walls and pillars of the hall were tastefully decorated with oak and palmetto leaves."

### AMERICAN SEED TRADE ASSOCIATION

This association held its twenty-seventh annual convention at Niagara Falls, Ontario, June 22-24. President W. S. Woodruff in his annual address sketched the progress of pure seed legislation and pointed out many of the inconsistencies and the contradictory character of state and federal legislation.

As a means of attempting to control mischievous and unwise state legislation, President Woodruff suggested the appointment of a committee on legal affairs. The duties of this committee would be to consider each bill as it is presented with a view of eliminating if possible pernicious provisions, and for the purpose of securing as much uniformity in state legislation as possible.

Papers were presented by Prof. Pammell of the Iowa State College, Burnett Landreth of Philadelphia, C. A. Zavitz of the Ontario Agricultural College, Edgar Brown of the U. S. Seed Laboratory, and Director L. H. Bailey of the Cornell College of Agriculture.

Officers elected were: President, J. C. Robinson, Waterloo, Neb.; first vice-president, M. H. Duryea, New York; second vice-president, W. W. Bolgiano, Washington, D. C.; secretary-treasurer, C. E. Kendel, Cleveland, Ohio; Assistant secretary, Leonard H. Vaughan, Chicago, Ill.

### PLANS OF CONNECTICUT HORTICULTURAL SOCIETY

This society voted, at the last meeting, to hold two exhibitions this fall, a Dahlia Exhibition, at Unity Hall, September 23d and 24th, and a Chrysanthemum Exhibition, November 3d and 4th, at Putnam Phalanx Hall, both in Hartford. Admission to the latter exhibition will be increased to 25 cents. The society obtains \$100 annually from the state, besides what it pays itself, for premiums. If a bill now pending in the legislature passes, it will receive \$200 in the future. As the vacation season is now upon us, the regular, semi-monthly meetings of the society will be discontinued until August 27th, when the fall activities will commence. The society now has a number of life members, who will be invited to offer prizes for the fall exhibitions of flowers, fruits and vegetables.

### NATIONAL IRRIGATION CONGRESS, SPOKANE, WASHINGTON, AUGUST, 9-14

Continent-wide interest has been aroused in the problems relating to the reclamation of arid and swamp lands, deep waterways, forestry, conservation of the country's resources, good roads and

home-building to be discussed during the 17th sessions of the National Irrigation Congress in Spokane, August 9 to 14, and there is every indication the attendance will be the largest and most representative in the history of the organization.

Railroad presidents, financiers, scientists, government officials, engineers and practical men in other lines of activity have accepted places on the program, and advices to attend and show there will be from 4,500 to 5,000 delegates, including farmers, orchardists and truck gardeners and visitors from Kansas, New Mexico, Oklahoma, Texas, Utah, Colorado, the Dakotas, Wyoming, Nebraska, Iowa, Arizona, Nevada, California and points in Canada, and as many more from Montana, Idaho, Oregon, Washington, British Columbia and Alberta. There will also be delegations from Missouri, Illinois, Michigan, Florida, South Carolina, Ohio, Pennsylvania, New York and other eastern, middle western and southern states.

R. Insinger, chairman of the board of control, has letters from 25 governors of states and territories west and south of Chicago, saying they will be present one or more days and representatives from Europe, the South American Republics, China and Japan are expected to remain throughout the week.

The speakers include Secretary Wilson, Jas. J. Hill, Dr. A. C. True, Gifford Pinchot, Senator Newlands besides many prominent orchardists and farmers.

## Business Movements

### MR. FRINK GOES TO TENNESSEE

June 19, 1909.

NATIONAL NURSERYMAN PUB. CO.,  
Rochester, N. Y.

Gentlemen:

Referring to an article which appeared in the NATIONAL NURSERYMAN a short while ago in relation to the change from private ownership to an incorporated company of the Tennessee Wholesale Nurseries:

I beg to say that I now have made arrangements with this company to take charge of the business as manager. It may also interest your readers to know that I have sold my interest in the Barber-Frink Company, of Macclenny, Fla.

The Tennessee Wholesale Nurseries, as you know, have a very fine supply of peach, both of one year old and June buds, and also have a large stock of pears, plums, cherries, apricots, etc. All stock is looking well in this section and prospects for trade are good.

Already we have booked quite heavily on certain varieties. With best wishes, I remain,

Very truly yours,

TENNESSEE WHOLESALE NURSERIES,  
Per AUBREY FRINK, Manager.

### EXHIBITION OF JAPANESE IRIS AT THE ANDORRA NURSERIES

An attractively illustrated invitation was issued by Wm. Warner Harper of the Andorra Nurseries, Chestnut Hill, Pa., to all interested in Japanese Irises to visit the nurseries and view these beautiful flowers between June 22d and July 3d. The nurseries being readily accessible to Philadelphia we are convinced that many availed themselves of the pleasant opportunity.

### SOUTH WESTERN NURSERY CO., TROY, OHIO

This company has recently been organized under the laws of Ohio, with C. N. Peters, president, R. H. Gibson, secretary-treasurer and C. M. Redmond, for a long time foreman with Peters & Co., as general manager.

The company aims to conduct a strictly wholesale business in fruit trees and ornamentals. The office of this nursery is located at Troy, Ohio, and the grounds at Okemah, Okla., where the manager resides.



## BUSINESS NOTES

PETERSBURG, W. VA.—A company has been organized in Hardy county, with Wm. Keller and M. E. Bean at its head, for the purpose of establishing a nursery plant.

GENEVA, N. Y.—The Washington Street Nursery Company has been incorporated. Capital stock, \$5,000. Directors: Thomas J. Mancy, William H. Witt and Margaret F. Witt, all of Geneva.

GARDINER, ME.—The Gardiner Forestry Co., recently organized, has been incorporated to plant trees and establish nurseries. The president is Robert H. Gardiner, and the treasurer Charles H. Gray, both of Gardiner.

EUNICE, LA.—W. E. McMicken, proprietor of the Southeast Texas Nursery Co., located at Faunette, Tex., has been in this city for two or three days in the interests of his business. He will probably start a nursery business here.

TEXAS NURSERYMEN'S ASSOCIATION.—The tenth annual meeting of this Association was held at College Station, July 28 and 29. The presiding officers were: J. B. Baker, president, Fort Worth; R. W. Holbert, vice-president, Arcadia; John S. Kerr, secretary-treasurer, Sherman. All nurserymen in good standing in Texas, Oklahoma, Arkansas and Louisiana attended the meeting, whether members or not.—*Florists Exchange*.

W. W. Thomas, the strawberry plant man, of Anna, Ill., says that his business for several seasons has been growing very rapidly, and that the season just passed has exceeded any former year. Therefore, he has been compelled to increase his acreage to meet the growing demand for strawberry plants. This summer he expects to build an additional large up-to-date packing house so that his daily output of plants will be greatly increased during the shipping season. This will enable him to handle promptly all orders that are received.

## Our Book Table

THE QUEST OF JOHN CHAPMAN. Author, Newell Dwight Hillis. 349 pages, no illustrations. Price, \$1.50. Publishers, the MacMillan Co., New York.

It is an exceedingly gratifying thing to men who are interested in the progress of pomology, to feel that a litterateur of the power and versatility of Dr. Hillis should seek to idealize the work of any pioneer in the delightful field of horticulture. In a previous issue of this journal attention was drawn to the fact that the work of the eccentric John Chapman, better known as "Johnny Appleseed," had been recognized by an historical society in Ohio, by the erection of a monument bearing an epitaph couched in appropriate terms, describing the life work of this individual. Without any doubt, the Ohio River Valley and contiguous portions of the middle west owe much to the idealistic labors of John Chapman, who travelled up and down the land scattering apple-seed and planting fruit trees.

Dr. Hillis has spent a good deal of time in investigating the life-work of this man who labored for others, and although he was not successful in tracing the activities of this early fruit lover, yet he has woven around him a network of romance that will probably do more in bringing before the common people the essential features and benefits of Chapman's life work than could be secured by the mere presentation of an historical record. It is needless to say that the book is written in the pleasantest possible style, and that the reading will do much to impress the present day horticulturist with the difficulties and obstacles which beset the footsteps of the pioneer of the middle West. We are glad to see a subject like this, which has now become almost exclusively traditional, idealized and sentimentalized, and glad to know that it has found a prominent place in literature. This book will appeal to nurserymen in general, but more particularly to those whose lots are cast in the Ohio Valley and the region immediately west of the Alleghenies.

Your Journal is a good one for the advertiser. It did the work for me and hope to use it more extensively this fall. Many wishes for increased success.

Yours truly,  
D. W. BABCOCK, MD.

## Catalogues Received

Barnham Nurseries Limited, Barnham Junction, Sussex, England. A trade catalogue of fruit trees, roses and general nursery stock.

Summit Nurseries, Miller & Gossard, Monticello, Fla. Catalogue and price list of orchard fruits, including a large selection of pecans and other nut trees.

W. Fromow & Sons, Windlesham, Surrey, England. Wholesale catalogue 1908-9; specialties, American plants, including trees and shrubs.

Munson Nurseries, T. V. Munson & Son, Dennison, Texas. Catalogue of fruits including a special list of grapes; many hybrids produced by the author; shade and ornamental trees.

American Nursery Company, Sales Dept. 150 Broadway, New York, Nurseries, Flushing, N. Y. and Springfield, N. J. Illustrated catalogue of shrubs and trees.

Huntsville Wholesale Nurseries, Huntsville, Ala. W. F. Heikes, manager. Bulletin No. 3 of Surplus Stock of trees.

Mushroom Spawn and Guide to Mushroom Culture. Pure Culture Spawn Co., Cincinnati, Ohio.

George S. Josselyn, Fredonia, N. Y. Condensed price list for spring 1909, of grape vines and small fruits.

Wisconsin Seed Growers Association, La Crosse, Wis. 1909 Catalogue of grains and other seeds.

B. F. Smith, 1847 Haskell St., Lawrence, Kan. 27th Annual Catalogue and Price List of berry plants, fruit trees and flowering shrubs.

F. W. Watson & Co., Topeka, Kansas. Wholesale price list of fruits and ornamental trees.

Bowker Insecticide Co., 43 Chatham St., Boston, Mass. Attractive card advertising "Pyrox" as a spray material.

The Elm City Nursery Co., Edgewood Avenue, New Haven, Conn. Attractive catalogue of trees, shrubs, hardy plants and garden supplies.

Benjamin Hammond, Fishkill-on-Hudson, N. Y. Catalogue of insecticides.

The Van Dusen Nurseries, W. L. McKay, Prop., Geneva, N. Y. Catalogue of fruit trees, grapes and small fruits.

Mount Arbor Nurseries, E. S. Welch, Prop., Shenandoah, Iowa. Wholesale price list of surplus stock, fruit and ornamental trees, roses, etc.

Morrisville Nursery, Sam'l. C. Moon, Morrisville, Penn. A very pretty catalogue illustrated and descriptive throughout. The illustration on the cover of the catalogue represents a hedge of hemlock spruce growing along one of the nursery drives, which has long been one of the attractive features of the place. Every other spring it is sheared and is thus kept at about 12 feet in height and 8 feet in width. At the end of the hedge are three fine specimens of Noordman's Silver Fir, about 25 feet in height.

Forest Nursery & Seed Co., McMinnville, Tenn. Wholesale trade list for fall 1909.

John Palmer & Son, Ltd., Annan Nursery, Dumfriesshire, Scotland, Special trade list of nursery stock.

Eagle Tank Co., 474-498 W. 21 Place, Chicago. Mfgs. of Wood and Steel Tanks and Towers.

Glen St. Mary Nursery Co., Glen St. Mary, Fla. Wholesale catalogue for nurserymen and dealers only.

A. Dessert, Peony Grower, Chenonceaux, France, General Catalogue No. 15, and Supplement of Paeonies.

VanDillewyn and Thiel, Meirelbike, near Ghent Belgium, 1909 Catalogue for the trade only. Azaleas, Araucarias, Aspidistras, etc.

## NEW YORK AGRICULTURAL EXPERIMENT STATION NOTICE OF BULLETINS 312 AND 314

The white-marked tussock moth, for many years a dreaded pest of village and city shade trees, last year became destructive in many apple orchards in north western New York and was thus brought strongly to the notice of Station entomologists. Bulletin 312 of the Station at Geneva gives an outline of this outbreak, with brief descriptive notes on the insect, and indicates the repressive measures that should be adopted.

In Bulletin 314 of the same Station another more fundamental orchard problem is attacked,—the proper management of orchard soil. A careful perusal of the data here presented should convince



every orchardist that, unless his conditions are very peculiar, he should regularly cultivate the soil beneath his trees, supplying humus by means of late summer cover crops. A five years' comparison of tillage and sod mulch proved tillage superior in every point but one. The apples from trees in sod were slightly brighter colored, but were inferior in quantity, size and quality. Orchardists should read both bulletins. Apply to the Station for them.

### READING NOTICE

W. E. Perry, of Heyburn, Idaho, has purchased nursery stock and has established a nursery at that place.

Fred L. Atkins, of Bobbink & Atkins, Rutherford, N. J., his wife and a party of friends riding in their automobile, were run down by a party of speeders in Hackensack, N. J., July 11. Mr. and Mrs. Atkins and Mrs. Herrick, a member of their party, were thrown out of their car and Mrs. Herrick's collar bone was broken. Mr. and Mrs. Atkins though bruised, are not believed to be seriously hurt. *American Florist*.

### STARKS ELECT OFFICERS

Mr. A. E. Senteny has been elected secretary of the Stark Bros. Nurseries and Orchards Co., of Louisiana, Mo., to succeed the late Senator Eugene Stark who died in St. Louis following an operation, June 15. Mr. Eugene Duncan was elected a director of the corporation to succeed the late Senator Stark in that capacity. Mr. William Stark who graduated from Cornell University in June was elected assistant treasurer of the corporation and thus will begin his career with the firm. He is the son of W. P. Stark.

Armstrong Nurseries of Ontario, Calif., consider the NATIONAL NURSERYMAN a very valuable journal, and say they could not do business without it.

J. M. Butterfield & Son of Lee's Summit Star Nurseries, Lees Summit, N. J., have dissolved partnership. M. Butterfield the senior party, has retired. His son, J. S. Butterfield will continue the business.

John H. Reilly, nurseryman at Dansville, N. Y. and Miss Clara A. Foley were married on the last day of June. They thoroughly enjoyed an eastern honeymoon.

The Galbraith Nurseries of Fairbury, Nebr. wish to announce to the trade in general that they have started the planting of apple near Oklahoma City, Okla., where they have found the conditions very favorable for producing one year old trees.

Mr. J. H. H. Boyd, proprietor of the Forest Nursery and Seed Company of McMinnville, Tenn., wishes to inform his brother nurserymen that he has closed a deal with Mr. Taylor Perry, Jr., Forest Tree Nursery of Roleta, Tenn., and thereby takes in charge all his growing stock, which with the planting made by himself, gives him a very large stock, nearly all of which is growing on new land and will be fine rooted, good count.

### SEVENTH ANNUAL MEETING OF THE PACIFIC COAST ASSOCIATION OF NURSERYMEN

SEATTLE, JULY 14-16, 1909

#### DELEGATION OF EASTERN MEN ATTEND

The above association held a very successful meeting on dates given, at which the American Association was represented by Mr. Thos. B. Meehan, Dresher; W. F. Heikes, Huntsville, Ala.; E. W. Kirkpatrick, McKinney, Texas; J. H. Dayton, Painesville, Ohio, and D. H. Henry and son of Geneva, N. Y.

The eastern men report an enthusiastic convention. The next place of meeting for the Western Association is Walla Walla though it is altogether likely that a large number will attend the American Association's meeting at Denver.

Mr. S. A. Miller of Milton, Ore., was elected president.

The following program was carried out:

10:00 —Opening Serenade by the Alaska-Yukon-Pacific Exposition Band.

10:30—Address of Welcome, by J. E. Chilberg, President Alaska-Yukon-Pacific Exposition.

Response by C. Malmo, President Pacific Coast Association of Nurserymen.

The Exposition From a Horticultural Standpoint, by Geo. C. Roeding, Fresno, Calif.

The Apple as Grown Commercially on the Pacific Coast, by H. E. Van Deman, Pomologist, Judge of Fruit Exhibits.

The Fruit Growers' Relation to Nurserymen, by F. A. Huntley, Commissioner of Horticulture.

Landscape Gardening as a Fine Art, by Prof. C. I. Lewis, Corvallis, Ore.

Beautifying of Parks and Boulevards, by Edward C. Cheasty, President Park Board, Seattle.

Horticulture as a Leading Feature in the Development of the Pacific Coast, by Prof. W. S. Thornber, Pullman, Wash.

During the afternoon nurserymen and visitors will tour the grounds and inspect exhibits at the different buildings ad libitum.

8:00 p. m., July 14—Pacific Coast Nurserymen's Protective Association will meet in committee room, Chamber of Commerce building.

9:30 a. m., July 15—Welcome by the Mayor of Seattle, John F. Miller.

Response, S. J. Harmeling.

President's Annual Address.

Reports of officers and committees.

"Nursery and Fruit Conditions for the Respective States and Province," by H. A. Lewis, Russellville, Oregon; J. A. Stewart, Christopher, Washington; O. F. Smith, Blackfoot, Idaho; T. E. Mabey, Fresno, California; Richard Layritz, Victoria, British Columbia.

"Nursery Conditions in the Northwest," by A. Brownell, Portland, Oregon.

"Ginger and Entomology From a Nurseryman's Standpoint," by Charles A. Chambers, Fresno, California.

Addresses from Visiting Nurserymen.

Question Box and Discussions.

"Handling the Forces of a Large Nursery," by M. McDonald and A. McGill.

"Impressions of Eastern Nursery and Fruit Culture Conditions," by S. A. Miller.

"The Real Estate Planter," by F. A. Wiggins.

Final Reports of Committee and Unfinished Business.

### MESSRS. J. H. DAYTON AND THOS. B. MEEHAN IN THE WEST

These gentlemen are making a lengthy tour in the Pacific Coast and Rocky Mountain region. They are visiting nurseries in Washington, Oregon, Utah and Colorado and will stop in Colorado Springs, Denver and Kansas City on their return trip. They report the Alaska-Yukon Exposition as a "howling success" and give a generous share of credit to the landscape architects the Messrs. Olmsted, who are largely responsible for the arrangement of buildings and the attractive features of the grounds.

### A CORRECTION

THE NATIONAL NURSERYMAN,

SIR:—I notice in publishing my paper on "Commercial Peach Orcharding" on page 216, of July number of the NATIONAL NURSERYMAN, that two paragraphs have been



tacked on to the end, viz., the paragraph at the bottom of page 218 commencing "The annual loss to the fruit grower and to the country at large, etc.," and the paragraph on page 226, "Coating the trunk of the tree with Carbolineum will prevent borers, etc." Kindly have this corrected, as our experience with Carbolineum has been anything but satisfactory.

Several years since, we coated the shelving in two of our green houses with Carbolineum and the fumes from this caused us to lose over two thousand dollars worth of palms and other plants. There was no way to remedy the evil except to tear out the benches and use the wood for nursery stakes and other purposes.

Carbolineum is an excellent thing for preserving wood; but I would not dare recommend it for living plants.

Yours faithfully,

Augusta, Ga.

L. A. BERCKMANS.

NOTE:—We regret the "shuffle" which resulted in supplementing Mr. Berckman's excellent paper with a paragraph for which he very naturally disclaims responsibility. The best we can say is that it was a mistake which we regret.

— EDITOR.

## RELATIONS BETWEEN THE GROWER AND THE RELIABLE RETAIL NURSERYMAN

C. S. OSBORNE

The subject which has been assigned to me by your Committee on Program is of sufficient range to permit one to talk on indefinitely. I shall not, however, take up a great deal of your time, as I know you are anxious to hear the reports of your Committees, attend the other meetings that are scheduled for this afternoon, and also to get in training for the Smoker which is to be held this evening.

It has been my pleasure to attend a number of Conventions of your Association, but in all the papers which have been read and addresses made, little attention has been paid to the retail end of the nursery business, yet we count among our membership a great many firms, the bulk of whose business is retail, the wholesale department being used more to dispose of the surplus stock which any firm doing any growing at all is bound to have.

With all due respect to our wholesale brethren I believe the time has come when something of interest to the retail Nurseryman should come up at all of our meetings, and I hope that in the future the Committee on Program will arrange for papers that will treat the nursery business from the retail standpoint.

I confess I do not know why the Committee on Program used the words "Reliable Retailer" in naming my subject, for all retail nurserymen are supposed to be reliable.

The relations between the grower and the retailer should be of the pleasantest character, and each should strive to do his best to assist the other and to protect him; for the very reason that the success of each is dependent upon the success of the other. It is true the grower could say that he could get along very well without the retailer, that he could market his trees at perhaps a bigger price

than he is getting for them now, but is he fitted by experience and ability to go ahead and do so? On the other hand the retailer might say that he could go ahead and grow stock and be independent of the grower, but the same question arises again, is he experienced and has he the ability to go ahead and do so? I think you will agree with me that in the majority of cases neither one is fitted or experienced for the duties of the other. Such being the case then both are helpless without the assistance and good will of the other.

It therefore behooves the grower to protect and assist the retailer and the retailer to do likewise. The grower should be careful in the propagation of his stock, should see that his varieties are not mixed, and above all that the stock is absolutely true to name.

Care should also be exercised in grading so that the most exact retailer will have no cause for complaint when stock is delivered to him, for there is nothing more exasperating when you feel that you have a fine lot of stock coming from some one to find on delivery, that it is not up to grade either in height, caliper or quality, and delivery of this kind only means loss to both parties and an added additional expense not only in money, but a bunch of cuss words as well. On the other hand the retailer should remember that nature is not as good to some varieties as to others all of which should be taken into account when trees are being sorted.

There is another point I wish to draw the attention of the grower to and that is the practice of sending wholesale price lists and surplus lists to the consumer. If there is anything that is unfair or unjust to the retail nurseryman it is this unfair practice. There is no reason under the sun why a consumer should be able to buy trees and shrubs at wholesale. You would not expect to go into a wholesale clothing house and buy a suit of clothes at the same price as the retail clothing merchant, and I can see no reason why the consumer in our line should be accorded this privilege. Do not understand me as saying that anyone here makes this a practice, but I have had a number of wholesale lists sent into our office by our agents which have been picked up by them from prospective customers. If you are in the wholesale business be satisfied to dispose of your products to the retailer and I am sure that if the stock is good and prices are right you will have no trouble on this score.

Before closing there is just one question I wish to call to your attention and that is, whether the professional landscape gardener is entitled to receive the wholesale price list of the grower? I would answer this question in two ways: Yes, provided he would resell the stock to those for whom he is employed at an advance, taking a reasonable profit and there is no reason that I can see why he should not take this profit.

On the other hand if professional etiquette will not permit him to do this, then I cannot see why he should be allowed to buy stock at wholesale and turn the bills over to his employer the consumer, permitting him to buy a small quantity of stock for home consumption at the same price as the retailer who buys in large quantities.



We can supply in any size or length and in car loads  
or any quantity

## PECKY CYPRESS

The Ideal Lumber for Greenhouse Benches

**MOST LASTING      LEAST EXPENSIVE**

When ordering your other building material it is wise to add enough Pecky Cypress to make the shipment a car lot and so take advantage of lower car load freight rates.

Write to us for prices

**THE FOLEY LUMBER CO.**

26th and Artesian Ave., CHICAGO

"Of all man's work of art a cathedral is greatest. A vast, majestic tree is greater."—Ward—Beecher.

### WANTED!

#### Nursery Foreman

Permanent position for right party. Must be well up on growing high grade ornamentals and a good handler of men.

#### Landscape Foreman

Experienced in carrying out landscape work and familiar with ornamental stock.

**The Elm City Nursery Co.**

NEW HAVEN, CONN.

### Situation Wanted

I desire to make a permanent connection with some responsible Nursery Establishment—either to take full charge of the sales department, or to run a catalogue department complete; will take hold of your present business or will start a new one—am capable of making a success of it. I am not looking for a snap or a place to loaf, but prefer a position that demands ability, aggressiveness and perseverance, and prefer to work on salary and commission. I have twelve years' experience in having full charge of a catalogue house, both growing and selling. Life time at the Nursery business. Prefer to locate in Eastern or Middle States. Thirty-one years of age, married. Address CATALOGUE this office.

### FOR SALE

One of the largest and best equipped retail Nurseries in the South, an ideal location for a wholesale Nursery.

Large acreage of land, well located, two nice residences, office, boarding house, sheds, barns and other buildings.

Plenty of labor at reasonable prices.

The owner desires to sell, other business interests demand his personal attention.

Would be glad to hear from interested parties who mean business.

Address "SOUTH," Care of NATIONAL NURSEYMAN, Rochester, N. Y.

## BOOK-KEEPER WANTED--

A leading wholesale nursery concern would like to engage a competent accountant and book-keeper. One who can handle stock-book, devise and apply a system for keeping planting records, crop records, etc. Do not apply unless you are a live, competent man of originality and some experience. Address X. Y. Z., care of NATIONAL NURSEYMAN.

When writing to Advertisers mention The National Nurseryman.

## CALIFORNIA PEACH PITs



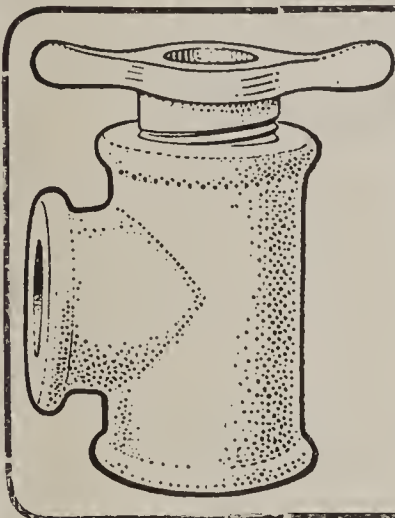
It is a well known fact that California peach pits produce fine, healthy seedlings. We are prepared to offer special inducements on pits in carload lots, and less if desired.

WRITE FOR SAMPLE

Address, FANCHER CREEK NURSERIES

GEO. C. ROEDING, President and Manager

Box 1310. Fresno, California



The

### TEE Irrigating Valve

Simple in design and construction, costs less and will last longer than any other on the market.

The Tee Irrigating Valve is made of an ordinary malleable iron T with a brass plug. It is designed for those who want an inexpensive irrigating valve, especially where such valves are needed in large quantities.

There is nothing to get out of order. It is so simple you will wonder why it was you never thought of it before.

A half-inch valve sent postpaid upon receipt of 40 cents. Quantity price, circular and full information upon request. Address

**GEORGE C. ROEDING**

Box 101, Fresno, Cal.

### WANTED--

On a large ornamental nursery, a practical working foreman who has a knowledge of nursery propagation and is familiar with perennial plants. Must be a man of good habits, industrious and not afraid to work himself.

Apply stating past experience, age, nationality, etc. to "Ornamental," care of NATIONAL NURSEYMAN, Rochester, N. Y.

### FOR SALE

**50,000,000 Strawberry Plants**

ORDER NOW FOR FALL

I want every grower to investigate my new "Tennessee Favorite,"—The very best berry grown for the market,—size color, flavor and shipping qualities considered. Even in size throughout season. I picked and sold from one acre 4,456 quarts at a net profit of 11 cents a quart making a total profit of \$491.16 in the Spring of 1908. For the season of 1909 I shipped 194 crates per acre, which net \$2.52 per crate. To vouch for the truth of this statement, I refer anyone to M. Fugazzi & Co., Cincinnati, Ohio, who handled these shipments.

In my thirty years' experience I have found nothing quite its equal. Does best in low, strong land. Try them. Other varieties, Aromas, Klondyke, Lady Thompson, Excelsior.

**A. HORN, R. F. D. 3, Soddy, Tenn.**



## L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens,  
Ornamental Shrubs, Roses, Gladiolus, Cannas and Dahlias  
Nurserymen Should Try My Simplex Tree Baler  
IT DOES THE WORK. PRICE \$16.00.  
Special 20,000 California Privet.

North Carolina

Natural

# PEACH

# SEED



Write for sample  
and special prices.

Clark Nursery Co.  
Rochester, N. Y.

"You Get What You Order."

## PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED,  
crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,  
4th Ave. & Clinton St., BALTIMORE, MD.

## PAEONIES

15 ACRES SOLID PÆONIES

OUR SIXTEENTH YEAR

Prices Right. Send for List TODAY

Respectfully Yours,

### GILBERT H. WILD

SARCOXIE, MO.

## CAL. PRIVET AND BERBERIS THUNBERGII--Specialties

WRITE FOR LIST

MARTIN H. MUSSER, Grower

38 Cottage Ave., - - - LANCASTER, PENN.

## Budded Pecan Trees

Japan Persimmon, Japan Walnut,  
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit  
and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc.  
Prices always right.

THE GRIFFING BROS. CO.,  
JACKSONVILLE, FLA.

## PEONIES

ONLY BY THE WHOLESALE

Let me send you my list of OVER ONE HUNDRED Best Varieties.  
J. F. ROSENFELD, WEST POINT, NEBR.

When writing to Advertisers mention The National Nurseryman.

## ROSES Sold except

Mosses, Masson, Charta, Diesbach, Perkins, Niel.

New crops coming along finely.  
Send your want list early.

THE LEEDLE FLORAL COMPANY®  
SPRINGFIELD-OHIO.

## R. C. PETERS & SONS

IRONSHIRE, MARYLAND

(Successors to)

### Wm. M. Peters' Sons, Snow Hill, Md.

Bell Telephone connections in office.

Telegraph Office, Berlin, Md.

## Offer for Spring 1909

Peach Trees of all the leading varieties,  
California Privet and Grape Vines

Send in your list of wants for Special Prices.

Grand stock of specimens

GROENEWEGEN & SON  
ROYAL NURSERIES  
DE BILT  
near Utrecht  
HOLLAND

London Planes,  
Acer Schwedleri,  
Lime Dasystylla,  
Horse Chestnuts—red  
and white flowered  
Thorns—Paul's Scarlet,  
Large leaved Elms, Etc.

Catalogue 1909 now ready,  
will be sent on  
application.

## For Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from  
buyers of June Budded peach, plum and apricot. We will bud especially  
to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

### Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

## WANTED IMMEDIATELY

An experienced Nurseryman who thoroughly understands  
all branches of Nursery work. Must be temperate, honest,  
and a good worker. State age, nationality, and wages  
expected.

VIRGINIA NURSERY CO., Purcellville, Loudoun Co., Va.

When writing to Advertisers mention The National Nurseryman.



## SMALL FRUIT PLANTS

For the Nursery Trade

### FALL, 1909

500,000 Black and Purple Raspberry Tips  
250,000 Gooseberry Layer Plants



Red Raspberry, Blackberry, Dewberry, Strawberry,  
Rhubarb, Asparagus and Horseradish

Currant, Orange-Quince and Gooseberry Cuttings

Everything in Small Fruit Plants

Write for prices

**P. D. BERRY,** R. F. D. No. 3  
DAYTON, OHIO

## B. E. Fields & Son

FREMONT NURSERIES

Fremont, Neb.



### Growers of a General Line of Nursery Stock

## 100,000 PEONIES FOR FALL DELIVERY

All of the Leading Varieties from the Cottage Gardens'  
Famous Collection.

Our enormous stock enables us to send out tubers of the very highest quality, and in filling orders we use undivided roots only—assuring an abundance of flowers the first season. This year we offer one, two and three year plants.

Wholesale List Now Ready. Send for a Copy.

**COTTAGE GARDENS CO., Inc.**  
Queens, Long Island, New York

## Franklin Davis Nursery Co. Baltimore, Maryland

We offer for Fall 1909 and Spring 1910---

Apple, 1 and 2 year, leading varieties.  
Pear, Standard, Keiffer, Blight Proof, Koonce, Garber,  
Etc., Etc.  
Peach, 1 year, standard varieties.  
" 2 " June Buds.  
Cherry, 1 and 2 year on Mahaleb.  
Asparagus, best leading kinds, 1 and 2 year.  
Privet, California, 1 and 2 year, fine.  
" Ibota, 1 and 2 year.  
Strawberry Plants, best varieties.  
Grape Vines, 1 and 2 year; heavy on 1 year Concord.  
White Birch, 10-12 ft., fine.  
Silver Maple, 10-12 ft., 8-10 ft., 7-8 ft.  
Sugar Maple, 8-9 ft., 7-8 ft.  
Norway Maple, 7-8 ft., 6-7 ft.  
Poplars, Lombardy & Carolina, 1, 2 and 3 year.  
Catalpa Speciosa, 8-9 ft., fine.  
Weeping Willows, 8-9 ft., fine.  
Oriental Planes, 8-9 ft., fine.

We have a fine lot of Extra Heavy Shrubs,  
such as Hydrangea P. G., Weigelas, assorted;  
Altheas, assorted; Judas Trees, Spireas, assorted;  
Eulalias, Snowballs, Lilacs, Strawberry Tree.

In large Shade Trees we have Sugar Maples,  
Elms, Box Elder, Catalpas, Evergreens, Roses,  
Etc., Etc.

Would accept orders to bud Peach on contract.  
Can commence shipping October 1st, or earlier.

Send us your want list.

Confer with us at the Convention.

### Seedlings Specialties

CATALPA (The pure Speciosa Genuine)

Our stock is very fine and we are the largest  
western growers of this line:

*Black Locust	Russian Mulberry	Honey Locust
Russian Olive	Maple	Ash
		Osage Hedge

JAPAN PEAR STOCKS up to our usual high standard.

Also general line of nursery stock.

**The Winfield Nursery Co., (Incorporated)**  
(Island Park), Winfield, Kansas.

J. MONCRIEF, Pres. E. S. MONCRIEF, Vice-Pres.  
R. I. LEMON, Sec'y-Treas.



SPECIALTY  
Small Fruit Plants For the  
Nursery Trade

Large stock of

## Grape Vines

HEAVY GRADES FOR RETAIL TRADE

Willett & Wheelock

North Collins, N. Y.

ALMA NURSERIES, Oudenbosch, Holland

NURSERIES AT

Oudenbosch and Boskoop

Proprietors { U. J. Heerma Van Voss, Czn.  
H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any  
other firm of similar name.

Largest growers of Ornamental, Deciduous and  
Evergreen Nursery Stock.

SOLE AMERICAN AGENT :

J. MEERKAMP VAN EMBDEN, Mt. Vernon, N. Y.

WRITE FOR CATALOGUES AND SPECIAL QUOTATIONS

### FOR SALE

An up-to-date nursery and business 1½ miles from one of the  
best cities in northern Oklahoma. Concrete Storage and Office,  
Water system and other equipments. Fifty miles from competi-  
tion. Splendid opening for Greenhouse. Plenty Natural Gas.  
No indebtedness. Best of soil. Best of reasons for selling.  
\$6000 will make a starter. Will either sell or lease land. For  
further particulars,

Address T. and S., Care National Nurseryman.

## PEONIES

100,000 Large Plants, in the best varieties to offer at very reduced prices for  
Fall 1909. Write for Trade-List.

DESSERT, Peony Specialist  
Chenonceaux, France

## Victor Détriché

Angers, France

Wholesale Grower and Exporter of Fruit-Tree  
Stocks, Forest-Tree Seedlings, Rose Stocks,  
Shrubs, and Conifers for Nursery Planting.

Write for special price-list and catalogue.

W. TAAT, Sta. A., YONKERS, N. Y.

Sole Agent for the United States and Canada.

# SIMPSON

is the name of the men who  
grow the finest

## CHERRY

that can be produced by suitable soil,  
climate and expert knowledge.

Take a look at the stock or ask for a  
sample and be convinced of the *extra*  
*quality* of their

## TREES

H. M. Simpson & Sons,

Vincennes, Indiana

THE ONE BEST ARTICLE

FOR THE PURPOSE

## WOOD LABELS

FOR NURSEYMEN AND FLORISTS

BOTH PLAIN AND PRINTED

Facilities for prompt and efficient service, to-  
gether with the quality of our produce is unsurpassed.  
Samples and prices are at the command of a com-  
munication from you.

Dayton Fruit Tree Label Co.

SOUTH CANAL STREET, DAYTON, OHIO



# Evergreens

are my leading specialty. Our soil and climate is acknowledged to be especially adapted for producing healthy, thrifty trees with an abundance of fibrous roots. My stock includes "Everything in Evergreens" from millions of small seedlings and transplants to well formed specimens 2 ft. to 20 ft. in height. In most varieties we have immense quantities in sizes that are just right for growing on, two and three year transplanted stuff with good roots and an abundance of them. You will be surprised how little money is necessary to build up a good stock of evergreens, and you don't have to figure on much loss when buying Hill's Evergreens, if you do your part. NOW is a GOOD TIME to stock up

*I also make a specialty of growing*

## Forest Tree Seedlings

in immense quantities such as European Larch, Catalpa, Black Locust, American Elm, American Linden, Horse Chestnut, Sweet Chestnut Hard Maple, Norway Maples. Red Oak, White Oak, Burr Oak, Chestnut Oak, Black Oak, Birch, Beech, Ash, Box Elder, etc.

*In addition to the above I have a complete line of*

## Deciduous Shade Trees

of all the most important varieties. Several blocks of Elm 2 1/2 to 5 inches in diameter with extremely well formed tops and straight trunks. A fine lot of Linden.

1909 CATALOG READY NOW. WRITE FOR IT.

### D. HILL

Evergreen Specialist  
DUNDEE, ILL.

"Dundee Grown" Trees Have Been Famous for Over Half a Century.

# The Buying of Trees is a Matter of Confidence



IT IS impossible for even an expert to tell from an examination of the bark and leaves of a tree whether the fruit will be good or worthless. While of importance to private planters, it is of far greater consequence to the nurseryman who buys trees in quantities for distribution among his customers to know they are reliable in every way. For 26 years the Glen Saint Mary Nurseries have been perfecting their facilities for the production of absolutely dependable stock and the nurserymen who have been supplied from this source, as well as direct customers, have come to know that here they can secure

## "Trees True to Name"

Large test orchards are maintained at Glen Saint Mary Nurseries for the fruiting and proving of different varieties. These orchards enable us to point to the parent trees from which our young nursery stock is grown as evidence that we know exactly what the latter may be expected to do when they come to fruit. Further evidence of the superiority of our product is found in bearing orchards throughout the South, planted years ago with Glen Saint Mary trees. We are now growing better trees and plants than ever before.

New Catalogue or Wholesale Price List on application.

### The Glen Saint Mary Nurseries Company,

GLEN SAINT MARY, FLORIDA

G. L. Taber, Pres. & Treas.

H. Harold Hume, Vice-Pres. & Sec.

## NURSEYMEN

When in NEW YORK Stop at the New  
Fire-Proof

# NAVARRE

Seventh Ave & 38th Street

BUSINESS MEN

FAMILIES

TOURISTS

Maximum of Luxury  
at Minimum of Cost.

ACCESSIBLE

QUIET

ELEGANT

Within Five Minutes'  
Walk of Theatres,  
Shops and clubs. 300  
Feet West of BROAD-  
WAY.

New Dutch Grill  
Rooms. Largest in  
the City.

Electric Cars pass  
Hotel to all Railroads.



### EUROPEAN PLAN

\$1.50 PER DAY

WITHOUT BATH

\$2.00 PER DAY

WITH BATH

SUITES, \$3.50 AND UPWARDS

SEND FOR BOOKLET

Edgar T. Smith

Geo. L. Sanborn

## W. FROMOW & SONS

Windlesham Nurseries, Surrey, England

Offer 250 acres of Hardy Outdoor Nursery Stock in great variety, chief among which may be noted the following:

Hardy Named Rhododendrons in such varieties as Everestianum, Caractacus, H. W. Sargent, C. S. Sargent, Kettle-drum, Chas. Dickens, Lady Armstrong, Atrosanguineum, Chas. Bagley, Alba elegans and grandiflora, Giganteum, Old Port, Fastuosum fl. plena, Roseum elegans, Delicatissima, Ed. S. Rand, Jas. Mackintosh, Mrs. H. Ingersoll, and many of the Parson's Hybrids.

Andromeda Florabunda, 20,000 to offer in bushy well grown plants 6 in. to 18 in.

Andromeda Japonica 6 to 18 in.

Azalea Mollis, seedlings from named varieties 4 to 24 in.

Ghent Azaleas, on own roots 12 to 24 in.

Azalea Pontica, the common yellow 12 to 30 in.

Gaultheria Shallon and Procumbens.

Kalmia Latifolia 6 to 30 inches.

Hybrid Tea, Tea, Polyantha and Hybrid Perpetual Roses, strong field-grown stock as Standards, Half Standards and Dwarfs in all leading varieties.

Copper Beech, selected seedling, specially good strain 3 to 9 ft.

Fruit Trees, trained, Espalier and Fan shaped.

Box, Handsworth and Common Tree 6 in. to 5 ft.

Retinospora Plumosa and Plumosa Aurea 6 in. to 6 ft.

Retinospora Pisifera and Pisifera Aurea 3 to 6 ft.

Retinospora Obtusa compacta 6 in. to 5 ft.

Abies Orientalis, Parryana, parryana Glauca and Kosteriana 6 in. to 4 ft.

Manetti Stocks, extra well rooted and graded for grafting. We can offer 500,000 for delivery, Fall 1910.

We are within an hour's rail ride of London, and shall welcome the personal inspection of any Nurseryman visiting England. We shall not importune you to buy, the quality of our stocks will ensure business.

Our sole agents for U. S. A. and Canada are

Messrs. A. ROLKER & SONS,

31 Barclay Street,

New York





Everything in  
**Small Fruit Plants.**

Ask for price list.

W. N. SCARFF, New Carlisle, O.

**FAIRFIELD NURSERIES**

FRUIT AND SEED FARMS

OFFER for Fall 1909 and Spring 1910

**GRAPE VINES**—One and two years old. Varieties largely Moore's Early, Concord and Niagara.

Also Scarlet or Crimson Clover Seed and Cow Peas. Free from weed seeds, all cleaned and guaranteed first class.

Correspondence solicited. Price list upon request.

**CHAS. M. PETERS**

P. O. Address, Salisbury, Wicomico County, Md., R. F. C. 3  
Long Distance Phone and Telegraph, Salisbury, Md.

**We are Prepared to Handle Your Orders**

for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

**SPECIAL**—We have 1000 bu. of Red and Burr Oak Acorns on which we can make special low price.

SEED DEPT.

**DUNDEE NURSERIES**

D. HILL, Prop.  
DUNDEE, ILLINOIS

**F. E. SCHIFFERLI**

FREDONIA, N. Y.

Successor to WHEELOCK & CLARK

AT IT SEVENTEEN YEARS

For Fall 1909 and SPRING 1910

GRAPE VINES AND CURRANT PLANTS

GRAPE AND CURRANT CUTTINGS

CORRESPONDENCE SOLICITED

**California Privet**

LARGEST STOCK IN THE COUNTRY

SEND FOR PRICES

C. A. BENNETT, Robbinsville, N. J.

**P. OUWERKERK,**

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our **HOLLAND NURSERIES**. Some of the goods on hand here during the packing season.

**Grape Vines**

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

T. S. HUBBARD CO., Fredonia, N. Y.

**PIERRE SEBIRE & SON**

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myroblan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

CAROLINA POPLAR BOX ELDER  
CALIFORNIA PRIVET and CATALPA SPECIOSA

ALL ONE YEAR OLD

For further particulars and prices, address

**SOUTHWESTERN NURSERY COMPANY**

C. M. REDMOND, Gen'l Mgr. Okemah, Okla.

**FALL OF 1909**

We will have our Usual Supply of Nursery Stock for Fall of 1909. Apple, Cherry, Peach, Pear, and Plum our Specialties. A good Stock of Shade Trees. Write for prices.

BUDS and SCIONS, we have our usual large Supply.

JOHN A. CANNEDY NURSERY & ORCHARD CO.

CARROLLTON, ILL.

**THE WESTMINSTER NURSERY**

J. E. STONER, Proprietor WESTMINSTER, MARYLAND

Offers for Fall 1909 Spring 1910

Large stock of Carolina Poplars, 6 feet, to 2 inch Cal. 1 and 2 year Cal. Privets. Raspberry and Strawberry Plants, 1 year Fay's

Currants, Rhubarb, Sour Cherries, Heavy Peach. Black

Locust and Catalpa Seedlings, Shrubbery, etc.

Will contract to bud Peach on KANSAS SEEDLINGS.

**HAVE YOU**

Placed your order yet for

**CRATING LUMBER**

If not, let us quote you on

**SPRUCE**

Thick or thin, cut to lengths.

**RICE & LOCKWOOD Lumber Co.**

Utica Branch

Utica, N. Y.



# ORNAMENTAL STOCKS

**NURSERIES**  
**420 ACRES**

## WE GROW

FRUIT TREE STOCKS—All Sizes.  
300 varieties of Conifers, 1 to 4 years old.  
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.  
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.  
250 varieties of Climbing Plants.  
400 varieties of Conifers, 1 to 4 feet high.  
400 varieties of Perennials.  
800 varieties of New and Old Roses.

We Have No Agents.  
Write direct to us and  
ask for **WHOLESALE**  
**CATALOGUES**

16 Route d'Olivet

**TRANSON BROS. & D. DAUVESSE'S NURSERIES,**  
**BARBIER *and* CO., Successors,**

Orleans, France

## FRITSCH & BECKER

WHOLESALE SEEDSMEN

at GROSSTABARZ, Thurigia, GERMANY

are prepared to accept contracts on the following  
Specialties for

**DELIVERY FALL 1909**

FRESH SEEDS of MULBERRY, WILD CHERRY,  
MAHALEB CHERRY, PLUM, QUINCE, APPLE,  
PEAR, DOG ROSE, BLACK AND HONEY  
LOCUST and many other sorts.

Price List on application  
WANTED: American Evergreen Tree Seeds  
Offers will oblige

## CALIFORNIA AND AMOOR RIVER PRIVET

Large stock in all grades. This stock being our leading specialty we are able to quote low prices, and believe that we now have the largest stock of any Nursery in the country. Besides we offer Shade Trees, Shrubs, Berry Plants, Grape Vines, Roses, Cannas, Etc., Etc. Special prices on car load lots for booking of early orders.

Trade List ready August the first.

**VALDESIAN NURSERIES,**

Bostic Department, Bostic, North Carolina.

**ROSES - SHRUBS - CANNAS - PHLOX**  
**JAPANESE IRIS - HERBACEOUS PAEONIES**

**ALL FIELD GROWN**

Teas, Hybrid Teas, Hybrid Perpetuals, Mosses, Rugosas, Climbers, Ramblers Creepers. Thirty Types. Over Three Hundred Varieties.

Planting for the season of 1909-1910 is the heaviest in our history. Varieties are the BEST and QUALITY is there, better than ever before.

We want to figure with you Mr. Nurseryman on your future orders. We have the goods—QUALITY—QUANTITY—VARIETY—and can make the prices! Your correspondence will get "quick" action.

**The United States Nursery Co.**

RICH, Coahoma County, MISS.

## TO THE TRADE

If you need Silver Maples, Carolina Poplar, Willows, Lombardy Poplar, Tulip Tree, White Ash, Grape Vines, Peach and Pear and one year Apple, write us we have them. Fig and Pecan at our Branch Nurseries, Monticello, Fla. Prices will be right.

**Commercial Nursery Co., Winchester, Tenn.**

# LEVAVASSEUR & SONS

**Nurseries at Ussy and Orleans, France**

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Orders booked now for delivery season 1909-1910. Compare prices quoted in last Fall's trade list. For catalogues and price list address us or our

American Agents, **AUGUST ROLKER & SONS**, New York, 31 Barclay Street, or P. O. Box 752.



## NURSERY PRUNER NO. N

CUT IS EXACT SIZE

No shoddy here. Sample by mail, 50c. Blade is hand forged and warranted. Grafting Knife by mail, 25c. Nursery Budding Knives, 25c. Pocket Budding Knife, 35c. All Steel Pruning Shears, California Pattern, post paid, \$1. Nursery and Florists' Propagating Knife, white handle, 50c.—You pay 75c for a much inferior knife. Send for a 12 page SPECIAL NURSERY CATALOGUE.

**MAHER & GROSH CO., 90 A Street, TOLEDO, Ohio.**

When writing to Advertisers mention the National Nurseryman.



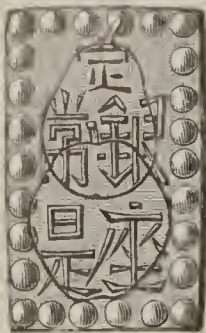
# Heikes --- Huntsville --- Trees

Huntsville  
Wholesale Nurseries

Huntsville, Ala.

JESSIE S. MOSS, Prop.

We offer for the Fall of 1909 and Spring of 1910 in large quantities as usual :



## SPECIALTIES

- PEARS**—Bartlett and Beurre de Anjou, one year, in large supply. As fine in quality as ever grown.
- PEARS**—Kieffers, one and two years old. A much smaller crop than heretofore
- PEARS**—Assorted leading varieties. One and two yrs. old.
- CHERRIES**—On Mahaleb. Leading sour varieties. A large block but not as many as usual.
- PEACHES**—We excel in Peaches, and of these we will have as large and as fine a stock as we have ever grown, both in one year and June Buds.
- PLUMS**—A light stock of these for this year.
- PECANS**—We make a specialty of grafted Pecans. These are grown in our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.
- ROSES**—Budded. We have discontinued the propagation of Roses at Biloxi. We will have a large stock of leading Hybrid Perpetuals and Mosses grown at Huntsville.
- PRIVET**—Amoor River. Retains its foliage longer and holds its color better than Colifornia Privet.
- MAGNOLIA G. F.**—Huntsville grown. Handsome, young plants, transplanted.

See Price List for particulars.

Address, W. F. HEIKES, Manager,  
HUNTSVILLE, ALA.

# THE BEST TREE DIGGER ON EARTH



## Used and Recommended by Leading Nurserymen

The one we have used for years, and by far the most satisfactory of any we have ever seen. It does exactly the work for which it was designed—and does it right. If interested we will be glad to send description and prices.

**Stark Bro's Nurseries & Orchards Co.**

LOUISIANA, MO.

**H**AVE you seen and examined  
the quality of our water-  
proof rawhide shipping tags  
and tree labels? This stock is



SHIPPING TAGS  
BLANK  
AND  
PRINTED.  
SINGLE AND IN  
GANGS OF  
FOUR AND SIX.

especially  
adapted to  
hard usage  
and outside  
use. "Once  
used, always  
used." Send  
for samples  
and prices.  
Our refer-

ences are the largest Nursery-  
men in the United States.

**The Denney Tag Co.**

WEST CHESTER, PA.

## B. & A. SPECIALTIES.

- BLUE SPRUCE**, all sizes, 2 to 7 feet.
- WEeping BLUE SPRUCE**. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.
- ROSES**, Hybrid Perpetual and Hybrid Tea varieties.
- CONIFERS and EVERGREENS**, 150 varieties.
- RHODODENDRONS**, Hardy Hybrid and Maxima, 50 varieties.
- EVERGREEN SHRUBS**, 35 varieties.
- FLOWERING SHRUBS**, 350 varieties.
- JAPANESE MAPLES**, 25 varieties.
- ORNAMENTAL DECIDUOUS SHADE TREES**, 50 varieties.
- WEeping and STANDARD DECIDUOUS TREES**, 50 varieties.
- HEDGE PLANTS**, 25 kinds.
- HARDY VINES and CLIMBERS**, 75 varieties.
- PLANTS and TRAILING VINES**, 12 varieties.
- SPRING and SUMMER FLOWERING ROOTS and BULBS**, 250 varieties.
- DECORATIVE and FLOWERING PLANTS**, 50 varieties.
- TRAINED and OTHER FRUIT TREES**. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.
- SMALL FRUITS**, 75 varieties.
- NEW and RARE TREES, SHRUBS and EVERGREENS**, 35 varieties.
- MISCELLANEOUS NEW and RARE PLANTS and VINES**, 25 varieties.
- HARDY HERBACEOUS PLANTS** (Old Fashioned Flowers) 1,000 varieties.
- NEW and RARE CHOICE HARDY PERENNIALS**, 65 varieties.
- ORNAMENTAL GRASSES**, 30 varieties.
- HARDY FERNS**, 50 varieties.

ASK FOR WHOLESALE CATALOG

VISIT NURSERIES

**BOBBINK & ATKINS,**

NURSERYMEN AND FLORISTS,

RUTHERFORD, N. J.



# BURLAPS

Sheet Burlaps for wrapping purposes  
also

Burlaps cut to size ready for use, 24, 28,  
32 and 36 inches square

Write for quotations

**J. R. Wertman**

Geneva, N. Y.

## F. J. Grootendorst & Sons BOSKOOP, HOLLAND

Azaleas, Rhododendrons, Clematis, Roses, Pot-grown  
Plants for forcing. Buxus, Conifers, Japanese  
Maples, Shrubs, Palms, Bulbs, Etc.

A postal brings our catalogue

LET US QUOTE PRICES ON YOUR LIST OF WANTS

## F. H. Stannard & Co. The Ottawa Star Nurseries OTTAWA, KANSAS

APPLE TREES, assorted, all grades.

CHERRY TREES, assorted, all grades.

PEAR TREES, assorted, all grades.

GRAPE VINES, assorted.

A large and complete assortment of Shade Trees

Apple and Forest Tree Seedlings

We call special attention to our

CATALPA SPECIOSA SEEDLINGS

## E. P. BERNARDIN PARSONS Wholesale Nurseries

Parsons, Kans.

Established 1870

We are still headquarters for Early Harvest B. B. root  
grown plants. One-half million to offer.

200,000 Peach, 1 year to offer in general assortment.

Large supply of Evergreens, Shrubs and Ornamental  
Shade Trees, in all sizes. Car lot orders solicited.

Carolina Poplar, all sizes and in quantity.

Send in your want lists for estimates.

EVERYTHING IN THE NURSERY LINE  
BUDS TAKEN FROM TESTED FRUIT

### SPECIALTIES

Apple	Small Fruits	Fruit and Forest
Pear	Maple Norway	Tree Seeds
Cherry	" Soft	Fruit Tree Stocks
Plum	Ash European Mt.	Apple and Pear
Peach	Roses	Grafts
Grape	Evergreens	

Special Price in quantity on Catalpa Seedlings and Cal. Privet.  
Stock is well grown and graded. Call or write.

**WEBER NURSERY COMPANY**  
GREENFIELD, IND.

35TH YEAR

## Pan Handle Nurseries

WE OFFER A COMPLETE ASSORTMENT OF NURSERY  
STOCK CONSISTING OF

Apple	Poplar Carolina	Ampelopsis
Pear	Poplar Volga	Roses
Plum	Elm American	Evergreens
Cherry	Sycamores	California Privet
Peach	Mountain Ash	Buxus
Grape	Althea	Weeping Trees
Currant	Hydrangea	Catalpa Seedlings
Gooseberry	Barberries	Black Locust "
Small Fruits	Syringeas	Fruit Tree "
Maple Norway	Clematis	Catalpa Speciosa Seed.
Maple Schwedlers	Honey Suckle	Etc., Etc., Etc.
Maple Silver	Wistaria	

Our stock is well grown and graded. Prices are such that it will pay to  
investigate. Come and see us or write.

**J. K. HENBY & SON**  
GREENFIELD, IND.

Nurseries

## F. DELAUNAY

Angers, France

### SPECIALTIES

Fruit tree stocks, as

Apples, Angers Quince, Mazzard Cherry,  
Mahaleb, Myrobolan, Pear, etc.

Forest Trees seedling and transplanted.

Evergreens, Ornamental Shrubs, Manetti, Multiflora, Roses.

My General Catalogue will be sent free on application.



## CYCLOPEDIA OF AMERICAN AGRICULTURE

Purchase this valuable work on easy terms.

Indispensable to all Nurserymen.

Within your reach

Write JOHN S. GALLAGHER,  
218 Livingston Building,  
Rochester, N. Y.

For Sale or Trade a Feigly Tree Digger—new—only used one-half day. Would exchange for Brag Tree Digger or similar make and pay difference.

BAUDRY NURSERY CO.,  
1747 Railway Exchange, - CHICAGO, ILL.

### WANTED

#### A THOROUGHLY EXPERIENCED NURSERYMAN

One who understands bench and field grafting and budding and is capable of taking charge of the field work, if necessary, in one of the best California Nurseries.

Must be sober and industrious.

State age, experience, nationality and wages wanted.

All replies strictly confidential.

Address, "RESPONSIBLE"

Care NATIONAL NURSERYMAN, Rochester, N. Y.



## Red Star Raffia Best for Budding

No waste; strands are long, strong and of good color. WE take the risk and will replace any "Red Star" brand that proves unsatisfactory.

Why should you take chances on the unguaranteed, promiscuous brands?

Ask for sample of "RED STAR" Brand

**Thomas Meehan & Sons**

BOX X., DRESHER, PA.

## WANTED--Clematis Coccinea

State lowest price per 10,000, sending sample to the

ROYAL TOTTENHAM NURSERIES, Ltd.

Deedemsvaart, Holland

## PEACH SEED

1908 CROP

GOOD STOCK

THOS. R. HAMAN

1614 E. Oliver St., Baltimore, Md.

## PEACH, Fine Stock

Arp Beauty, Burke, Smock, Bilyews, Crothers, Champion, Camelia, Carman, Crawford Early and Late, Chairs, Elberta, Family F., Fitzgerald, Gary's, Lady Ingold, Lorentz, Levys, Lee C., Matthews, Moore's Fav., Mayflower, Mt. Rose, Nina, Old Mixon, Preston, Pools, Ray, Red Bird, Stump, Salway, Stephens, etc.

### APPLE, Good, Medium Stock

Ark. Bty, Arm. M. B., Alb. Pippin, Ben Davis, Bonum, Baldwin, Gano, Hames, Liveland, Paragon, Red Astrachan, Red Limbertwig, Shockley, Springdale, Staymens, Vine, Winesap, York, Yates, etc.

PEAR, Garber, Keiffer, Jap., G. Rus., LeConte, Magnolia, etc.

CHERRIES, Ey. Purple, Ey. Richmond, Etc.

NUT TREES, Pecan Seedlings, any size; Sieboldii and Cordiformis Walnuts, Japan Chestnuts.

FIGS, Brown Turkey.

NORWAY SPRUCE, 2-3 ft. Amoor R. and Calif. Privet.

SHADE TREES, Box Elder, Silver Maples, Carolina Poplars, Baby-lonica Willows, Texas Umbrellas.

SHRUBS, Deutzias, Forsythias, Honeysuckle cwb, Lilacs, Spiraea, Va. Creepers, Wistarias, Weigelias, Yucca F.

ROSES, Leading varieties, 2 yr. plants.

We are short on some things. Send us your trade list. Complete surplus list on application.

**J. Van. Lindley Nursery Co.**

Box 123, Pomona, N. C.

# The National Nurseryman

ROCHESTER, N. Y.

The Official Organ  
of the

American Association of  
Nurserymen

Subscription price \$1.00 per year.

Progressive Nurserymen  
cannot afford to be with-  
out this Paper.



It truthfully chronicles  
the latest information of  
use to the Nurserymen.





# NURSERYMEN AND FLORISTS

looking for stock can find largest assortment in the  
United States at the

## Painesville Nurseries

Fruit and Nut Trees, Deciduous Trees, Shrubs and Evergreens, Hardy Roses, Vines and  
Plants, Grapes, Gooseberries, Small Fruits, Bulbs, Seeds, Palms  
and other tender Greenhouse Plants

Have full list of varieties for fall trade with special inducements for orders for late fall  
delivery in car lots, or cellared for Spring if desired. Our facilities are unsur-  
passed for handling these large orders. Try us and be convinced.

Not satisfied with our present large cellars, are now build-  
ing one 112 ft. by 240 ft. connecting with and south  
of present brick cellar.

### OUR SPECIALTIES ARE

#### ROSES

H. P.

Moss

Ramblers

Climbers, Etc.

#### PEACHES

#### PEARS

#### PLUMS

#### CHERRIES



PEONIES

#### ORNAMENTAL TREES AND SHRUBS IN CAR LOTS

Weeping Mulberries  
Elm and Ash

Clematis

Ampelopsis

Pæonies

Hydrangeas, Bush  
and Tree

Holland Bulbs

NO TROUBLE TO PRICE YOUR WANTS

55 Years

1200 Acres

44 Greenhouses

THE STORRS & HARRISON CO.  
PAINESVILLE, OHIO



# LILACS

CHOICEST NAMED VARIETIES

including the famous

## Highland Park Collection

Fine plants for delivery in October

PRICES ON APPLICATION

### Ellwanger & Barry

Mount Hope Nurseries

ROCHESTER, N. Y.

TREE HYDRANGEAS

TREE LILACS

TREE ALTHEAS

APPLES

QUINCES, Two years, 4 to 5 feet

PEARS, Bartlett, Clapps, Seckel

CURRENTS

CLEMATIS, 5 acres of 'em

AMPELOPSIS, 100,000 of 'em

DUTCHMAN'S PIPE, "Not made in Holland."

ROSES, On own roots and budded. The New Good Ones; also the Good Old Ones.

In fact, the scarce stock, hard-to-grow kinds, and the Specialties that everybody doesn't have—at first hand—the things that make "NEWARK-GROWN" known the Nursery-world over, can be had in quantity here.

Send list of wants for prices. Ge Busy! Soon be shipping time.

## Jackson & Perkins Co.

Dispensers of "The Preferred Stock" which is grown at NEWARK, in WAYNE COUNTY, NEW YORK STATE

September 1, 1909

## SPECIAL NOTICE

APPLE QUINCE PEAR CHERRY  
PEACH PLUM

A Fine Block of  
Own Root Roses

ORNAMENTAL TREES SHRUBS  
BERRIES CLEMATIS  
EVERGREENS PEONIES PHLOX

Write for our Special Prices

Special Attention given to Dealers, complete lists  
and carload lots.

### W. & T. SMITH COMPANY

GENEVA, N. Y.

63 Years

700 Acres

## BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall  
delivery, from 10 inches to 3 feet.



ALTHAEA  
MEEHANII

(Hibiscus Syriacus)  
(New variegated  
single flowering  
Althaea).

Field grown  
DOROTHY  
PERKINS,  
CRIMSON  
RAMBLER,  
and MARIE  
PAVIE Roses.  
AZALEA

INDICA,  
CAMELLIA,  
MAGNOLIA  
grfl.

WIER'S  
MAPLE,  
TEAS,  
MULBERRY,  
TULIP

POPLARS,  
all first class.  
Send for prices.

## P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

::

AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries



# Strawberry Plants

**M**Y BUSINESS for several seasons has been growing very rapidly, and the season just past has far exceeded any former year. I have therefore been compelled to increase my acreage to meet the growing demand for my plants, and I expect this Summer to build an additional, large, up-to-date packing house, so that my daily output of plants will be greatly increased during the shipping season. This will enable me to handle promptly all orders that I receive. If you buy Strawberry Plants, get in communication with me before contracting for your next season's supply.

## W. W. THOMAS

"THE STRAWBERRY PLANT MAN."  
ANNA, ILLINOIS.

Established 1845

## Bryant's Nurseries

PRINCETON, ILLINOIS

Sixty-four years in growing, handling and selling all kinds of Nursery Stock is the record of our house.

Well grown trees and plants, careful attention to details, courteous treatment and promptness in the execution of orders is what has built up the business to its present large proportions.

### Our Specialties Are

**Ornamental Trees and Shrubs  
Barberry Thunbergii, Privet, &c.**

Peonys—We have 50000 to offer in the best sorts.

Forest Seedlings by the Million—You will find prices right.

Also have a large surplus in Apple, Cherry, Currants and Gooseberries.

WRITE US FOR WHAT YOU NEED

**ARTHUR BRYANT & SON, Princeton, Illinois**

## Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

## BOX STRAPS

**WARD-DICKEY STEEL COMPANY**

INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

**For Sale.** One of the best Nursery, Seed and Greenhouse business propositions on the Pacific coast. Rapidly increasing trade. Satisfactory reasons for offering for sale. No use corresponding unless you have \$10,000 or \$15,000 to invest as a starter.

"A. B.," care of NATIONAL NURSERYMAN.

**W**E make a specialty of collecting accounts for the Trade.

For particulars and references, address the

**National Florists' Board of Trade,**

56 Pine Street, New York City

## JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free. Write direct to us, we have no agents

## Vincennes Nurseries

W. C. REED, Prop., - VINCENNES, IND.

### OFFER FOR FALL 1909

Cherry 2 Year in Car Lots

Cherry 1 Year in Car Lots

Our Cherry promises very fine both in 1 and 2 year. Also general line of other Nursery Stock.

Cherry Buds to offer in any quantity in season ready to cut July 1st.

## KANSAS CITY NURSERIES

**GEO. H. JOHNSTON, Proprietor**

(Successor to Blair & Kaufman)

233-234 Rialto Bldg., Kansas City, Mo.

Offer for FALL 1909 and SPRING 1910 large stock of Carolina Poplars; Catalpa Seedlings; Cal Privet; Concord Grapes; Currants; Asparagus; and a full line of Ornamental Shrubs, Paeonies, etc.



## J. H. SKINNER & CO.

Station "A," Topeka, Kansas.

**Fruit, Shade and**

**Ornamental Trees**

∴ FLOWERING SHRUBS ∴  
APPLE AND PEAR SEEDLING  
∴ FOREST TREE SEEDLING ∴

## E. T. DICKINSON,

**Chatenay Seine, France.**

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,  
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

**PEAR AND CRAB APPLE SEED,**

The most complete assortment of Ornamental Stocks,  
Trees and Shrubs.

**Geo. E. Dickinson,** 1 Broadway, N. Y.

## YOUNGER & COMPANY

GENEVA, NEB.

### CHERRY TREES

WESTERN GROWN

Our Trees are Vigorous, No signs of Fungus, or Leaf Mould, Well Graded and  
Price Right.

EUROPEAN PLUM. We have a fine assortment.

STANDARD PEAR. A good supply of standard sorts.

GRAPE VINES. Fredonia Grown and up to Grade good  
clean stock.

**SHADE TREES**

ORNAMENTAL TREES AND EVERGREENS

IN LARGE QUANTITIES

**Write for Prices**

ESTABLISHED 1868

**F. W. MENERAY**

## Crescent Nursery Co.

**COUNCIL BLUFFS, IOWA**

We offer our large stock of **PAEONIES** at a special low  
price for **Fall 1909** and **Spring 1910**. Also a large stock of  
Cherries, Plums, Pears, Gooseberries, Deciduous Trees and  
Ornamental Shrubs.

**SPECIAL ATTENTION**—Complete list to dealers in car-  
load lots.

When writing to Advertisers mention The National Nurseryman.

## The L. Green & Son Co.

**PERRY, LAKE CO., OHIO**

### Specialties for Fall 1909

A strong lot of two year, stand-  
ard and dwarf, Pear, Plum,  
Cherry and Peach; also a fine  
line of Ornamentals. A mod-  
erate amount of 2 year Currants  
—strong on London Market.

**Let Us Figure on Your Wants  
Before Placing Your Orders**

Established 1780.

## Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

**SEASON, 1909**

FOR NURSERY STOCKS OF THEIR OWN  
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

## W. T. HOOD & CO.,

**Old Dominion Nurseries**

**RICHMOND, VA.**

### Specialties for Fall 1909

Japan Pear Seedlings; California Privet---Fine Plants.

**Special Inducements in Carload Lots**

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all  
varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2  
yr., Champion, Orange, Meeches & Reas, exceptionally  
fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

**GENERAL LINE OF NURSERY STOCK**

**Correspondence Invited.**

When writing to Advertisers mention The National Nurseryman.



## FOR FALL 1909

We have the largest and most complete assortment of Ornamental Trees, Shrubs and Herbaceous Plants we have ever grown. Also Tree Seedlings in large variety.

We have genuine Catalpa Speciosa and Black Locust in large quantities. You cannot afford to buy before getting our quotation, it will pay you.

Are now ready to quote you.

**The Willadean Nurseries**  
WARSAW, KENTUCKY.

**A BARGAIN** IN STANDARD PEARS. Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere  
Address,

**PIONEER NURSERIES COMPANY,**  
Salt Lake City, Utah.

## Surplus Stock, Spring 1909

50,000 PEACH TREES, 1 yr. from bud.

10,000 APPLE, 1 yr. from bud.

100,000,000 STRAWBERRY PLANTS in six leading sorts.

MYER No. 1, AROMA, STEVEN'S CHAMPION.

Superior.

Gandy.

A general assortment of other stock.

D. S. MYER & SON,

Bridgeville, Del.

## WANTED by you

Acer Polymorphum  
Azalea Mollis  
Azalea Pontica  
Box Trees  
Clematis

Conifers  
Dielytra Spectabilis  
Hydrangea pan. gr.  
Kalmias  
Magnoleas

Paeonies  
Rhododendrons  
Spruces  
Shrubs  
Roses, etc. etc.

and can be had at very reasonable prices from

**W. VAN KLEEF & SONS**

Wholesale Growers of Nursery Stock.

BOSKOOP, HOLLAND

## DREER SPECIALS

Hardy Perennials, Paeonies, Iris, Hardy and Tender Water Lilies and Aquatics, Hardy Vines and Climbers, Decorative Greenhouse Plants, Palms, Ferns, Ficus, Araucarias, etc.

Bay Trees and Trained Box Woods, Hardy Rhododendrons, Azaleas, etc.

Flower and Vegetable Seeds, Bulbs, Implements, etc.

Wholesale catalogue issued quarterly and sent to the trade only. Write for a copy.

**HENRY A. DREER, PHILADELPHIA, PA.**

## The New England Nurseries, Inc.

BEDFORD, MASS.

HIGH GRADE FRUIT AND ORNAMENTAL  
TREES, SHRUBS, ROSES AND  
HERBACEOUS PERENNIALS

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade-list on application.

## NORTH CAROLINA NATURAL



## Peach Pits

Gathered in the mountains of North Carolina where the Yellows are unknown. Write for prices.

JOHN A. YOUNG

Greensboro, N. C.

## HARDY NEW ENGLAND GROWN NURSERY STOCK

**W**E grow a general assortment of Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc. Prices reasonable. Wholesale Trade List for the asking.

**BAY STATE NURSERIES, North Abington, Mass.**

## LABELS for NURSERYMEN

*Plain or  
Printed*

**The Benjamin Chase Co** Derry Village, N.H.

When writing to Advertisers mention The National Nurseryman.

• Ben Davis



HEADQUARTERS FOR

# California Privet

We have

**A MILLION and A HALF**

The finest we have ever grown. All sizes from 6 inches up to 3 feet. In order to reduce our immense surplus we make remarkably low prices, especially on large lots. At any rate you should know our prices before placing your order elsewhere.

**Our grade is high and prices low**

THE  
**Lancaster County Nurseries**

DAVID S. HERR, Proprietor

R. F. D. No. 7

LANCASTER, PA.

THE  
**Cherry Hill Nurseries**

offer a full line of

**PEONIES AND GERMAN IRIS**

Also many New Varieties of Phlox  
SUGAR and NORWAY MAPLES by the carload  
CONCOLOR FIR, 2-3 feet, 3-4 feet.

**T. C. THURLOW & CO.**

West Newbury, Mass.

**We Offer over 2 Millions  
Catalpa Speciosa Seedlings**

that are absolutely genuine, from 6 inches to 4 feet, 1 year old. Also a large variety of other Seedlings for Nursery and Commercial Forest Planting, including White Pine.

We will also collect a large variety of American Tree Seeds, fresh and true to name. Shall be pleased to quote on your list of wants.

A personal inspection of our stock invited. Wholesale trade list ready early in September.

**The WILLADEAN NURSERIES**

WARSAW, KY.

## PEACH SEED

1909 NATURAL

Write for Sample and prices.

**THOS. R. HAMAN,** 1614 E. Oliver St., Baltimore, Md.

## ASPARAGUS PLUMOSUS NANUS SEED

Fresh, lath house grown

SPECIAL LOW PRICES IN QUANTITIES

CASH

**OAK GROVE NURSERIES**

E. FLEUR

Office, 404 N. Los Angeles St., Los Angeles, Cal.

**FOR SALE**==The Shiocton Nurseries and Fruit Farms. Established 1886.

Both Agent and Mail Order Business. Stone Storage and Packing House one-half mile from Depot. Will sell right; small payment down, balance on time. This is a splendid opportunity for a nurseryman or fruit grower, and will pay for itself in two or three years. For particulars address Norman G. Williams, Shiocton, Wis.

We offer a few thousand

## NORWAY MAPLES

Strictly No. 1, 8 to 9 feet; 1 1/4 to 1 1/2 Caliper. Very straight and Smooth; also 3,000 Schwedleri Maples, same grade.

200,000 cuttings of Laurel Leaf Willow, one year wood, 9 inches long, to be made during winter.

**E. FERRAND & SON,** 379 Vinewood Ave., Detroit, Mich.

## Special Editions

Starting with our October number we will run a Series of special editions covering valuable information for all nurserymen.

WHEN YOU HEAR FROM US  
FALL IN LINE

**This is Another Reason**

why you should read

**THE NATIONAL NURSERYMAN**

ESTABLISHED 1885

## W. F. HUMPHREY

PUBLISHER, PRINTER, BINDER, RULER AND  
BLANK BOOK MANUFACTURER

MAKER OF

**Nursery Catalogues, Trade Lists, Etc.**

Send for Sample Stock Catalogue

3 LINDEN STREET,

GENEVA, N. Y.

When writing to Advertisers mention The National Nurseryman



# The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

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Vol. XVII.

ROCHESTER, N. Y., SEPTEMBER, 1909

No. 9

## A REVIEW OF THE SEASON

### FROM THE STANDPOINT OF THE GROWER

The following letters represent conditions for the regions covered as they existed some five weeks ago.

In some sections, drought succeeded spring periods of heavy rainfall, in others the opposite occurred. On the whole, while the season has been abnormal in many regions notably in reference to the widespread drought of midsummer in the northeast the average of all conditions will undoubtedly leave the country a fair supply of nursery stock and the nurseryman material with which to record a fairly prosperous year. The man who feeds his stock and fights their enemies is the man who wins the battle.

#### MICHIGAN

Our stock is making up very nicely notwithstanding the lateness of the season, and so far this year we have not been troubled as much with aphids and other insects as usual.

The outlook for trade is excellent and prospects seem favorable for a good increase over last year's business. We expect to have an especially fine lot of apple, cherry and peach to offer the trade the coming season.

Monroe, Mich. I. E. ILGENFRITZ' SONS CO.

#### SUGGESTIONS ON CULTIVATION

We have had no unusual outbreak of insect or disease infection. The outlook for trade in this locality is good although on the prices of this year's fruit crop depends much whether there will be much planted another season.

We are growing a large stock of grape vines, raspberries, strawberries and currants. We have put out a much larger stock of grape vines both of one and two years. The season so far has been very favorable for plant growth and they have made a splendid start, better than for several years. We expect to have several hundred thousand to wholesale.

We grow our cuttings on strong gravel land the first year, then manure for two-year-olds the second season, then seed to clover and turn under the cover-crop before raising more vines. We cultivate with fine-tooth two-horse cultivators. We grow the rows farther apart than the Eastern nurserymen. Our rows are three feet apart. We have a marker that makes three continued lines across the field at once and leaves a mark for the center marker to come back on. We use a Firmer made by I. E. Ilgenfritz Sons Co. We dig our vines with a tree digger equipped with a large lifter fitted with long iron arms bolted which lifts the ground to a depth of 18 inches and loosens it so they are very easily pulled out.

Stevensville, Mich.

E. W. DUNHAM

#### INDIANA

##### SPECIALISTS IN CHERRIES

We have had a peculiar season here. The early spring was rather dry and we were able to plant our stocks in the very best manner but just after planting the rains began and continued till near the first of July. It was also very cool up to the first part of June, yet, much to our surprise, the cherry trees grew as well as we could expect and they now promise to be as fine as we ever had. The season was one that the normal growth on cherries might not be expected to develop but, strange to say, we have as good or better.

We are pushing cherries and grow little else now. This spring we planted nearly half million stocks and have almost a perfect stand.

The outlook for trade is good. Prices are lower than for the past few years but we think that will induce more trade.

Vincennes, Ind.

H. M. SIMPSON & SONS

##### CULTIVATE AND SPRAY

The only thing that we have been bothered with is lots of weeds and heavy rains. Up to the present time we have had no insects to contend with, except a few of the white aphids which are easily checked and killed by the use of Lime Sulphur. We think that by spraying all nursery stock once every two weeks that it can be kept in perfect condition. This is our experience.

We think that the level cultivation is the best and keeps the ground well stirred to hold the moisture and kill all weeds. With the level cultivation we get the best results. The trade outlook with us has never been better.

We grow a general line of nursery stock, and have a heavy stock of Catalpa Speciosa—true, California Privet, apples, some pears, paeonies and currants. We are pushing the above lines.

Portland, Ind.

PORTLAND NURSERY CO.



## MISSISSIPPI

ROSE SPECIALISTS  
HEAVY RAINS PREVENT CULTIVATION

During the months of May and June we had incessant rainfalls which precluded cultivation, and, therefore, all stocks suffered for proper attention. The month of May was also cold, and this with deficient sunshine further complicated matters. The soil is now drying out and we hope to keep the cultivators going as the weather conditions have changed for the good during the past few days. The growth of stock is below normal somewhat, but fair weather and a little hustling on our part will have everything in shape within a few weeks.

We have never been troubled with insects of any kind and all of our troubles are with mildew and spot of various kinds on our roses when conditions are unfavorable. Our growing consists of roses principally, and in addition thereto, we grow in quantity, ornamental shrubs, peonies, Japanese Iris, phlox and cannas in quantity, selling entirely to the trade.

All indications point to a healthy fall trade, and it looks as if field grown roses will be scarcer than usual. Thus far, orders booked are heavier than usual, and we have many inquiries for future business. As a whole, the outlook is good and we do not anticipate having a surplus of anything to offer next spring.

THE UNITED STATES NURSERY CO.  
Rich, Miss. S. W. CROWELL, Mgr.

## PENNSYLVANIA

## THE CHESTNUT BLIGHT IN THE EAST

I am just starting from home for a few days' vacation, and can only drop you a line to state that we have nothing special to report. We are watching with some interest the spread of the Chestnut Blight which I find is greatly on the increase at the Pocono Mountains near my summer cottage.

As yet we may say there are only isolated cases, but it is evidently more general than it was a year ago. It makes rapid work of the trees that it attacks, generally killing them in a week or ten days, their foliage withering and drying up in a very short time.

Government experts whom we have consulted inform us that they know of no cure other than to remove and burn the diseased trees. If it continues it is likely to be very destructive to the future chestnut cultivation. We have not time to express any new ideas on cultivation, feeding or training of nursery stock just now. We have a large force of men employed in keeping our nursery clear of weeds and in frequently stirring the soil. Stock is making a fine growth and the outlook for fall trade is excellent.

The Wm. H. Moon Co.  
Morrisville, Pa. Wm. H. Moon, Sec'y.

So far we have had an unusually good growing season. Insect pests have been less than usual and so far have not caused us trouble. The outlook for fall trade is bright.  
West Chester, Pa. HOOPES BRO. & THOMAS CO.

## WISCONSIN

## LATE FREEZE—PRUNE CAREFULLY FOR THE NORTH

The last week in May we had a fall of about eight inches of snow accompanied with a severe blizzard and freeze which did considerable damage to nursery stock in shipment. Since then we have had very favorable weather and stock has been making a fine growth and recovering from the very severe drought of last fall. New orders are coming in very satisfactorily and the outlook for future trade is good.

During the past four years we have been much troubled with leaf hoppers on our young trees in nursery, both apple and shade trees. We have done nothing as yet to checking them and would like to know what other nurserymen are doing to prevent damage by them.

We believe that the present method practiced by nurserymen of heading apple and plum also cherry trees at one point, to be wrong. In our young orchard planting we have several trees grown naturally without cutting the leader and the branches are formed as nature intended. The leader has never been cut and they are far better orchard trees than those on which the leader has been cut back at two or three years. I would like opinions of nursery men and orchardmen on this point who have had more experience than we have had.

HENRY LAKE SONS CO.,  
Black River Falls, Wis. A. H. Lake, Sec'y

## NEW YORK

## WHALE OIL AND KEROSENE AGAINST APHIS

Taking into consideration the backward spring we had, stock is looking fairly well. We have had some aphis on apple and a little on cherry, but not enough to amount to a great deal. To treat this, we use whale oil and kerosene, which works to good advantage.

In cultivating, we use the two horse cultivator and also the one horse Perry cultivator and of course do considerable ploughing. This ploughing is done about once every three or four weeks and the cultivating is done about once every week during the months of June, July and August. We use barn yard fertilizer altogether.

At the present time, prospects for trade are looking exceptionally fine, and if they continue we ought to double up last year's business on the retail end. The wholesale is a little slow but we expect it to improve later in the season.

Geneva, N. Y. RICE BROS. CO.

## GENERAL CONDITIONS

Reports from all over the state indicate that the season has been a dry one. Usually, however, showers have come at the critical moment and saved the stock suffering from what might have been a drought.

Inspection of many nurseries reveals the fact that seldom has there been a healthier growth. Trees and ornamentals have a sturdy appearance and are free from diseases.

Sales have been steady and are rapidly picking up.



## TEXAS

The outlook for a successful season with us is probably up to the average, though it is too early to even approximate results. The Southwest has suffered more or less the fore part of the season for lack of moisture, the result being severe losses on plantings of every nature. Demand for better trees in better grades than usual is exceptionally good. Sales hold up remarkably well considering crop prospects (agriculturally). In one sense of the word at least this season has taught us some valuable lessons. It has been thoroughly demonstrated that intensive cultivation is the only safe plan to be followed by the nurseryman. Fields thoroughly prepared and intensively cultivated have held up regardless of weather conditions. Our State Association met at College Station, Texas, July 28th-29th, and was a most interesting and instructive meeting.

Wishing the NATIONAL NURSERYMAN continued usefulness.

WAXAHACHIE NURSERY CO.

Waxahachie, Texas

J. R. Mayhew, Pres.

## ARIZONA

## LARGE STOCK HAS DONE WELL

The one thing that is making a decided impression on us this summer is that oranges move much better in large sizes. I doubt if there are over 50% of the smaller sizes of seedlings that are lined out and now alive, and in budded stock many plantings have lost 25% to 40% on the smaller sizes of trees, while on the large trees the loss was very light.

We have had some trouble with a damping off in orange seedlings. The fungus attacks only the terminal bud when it is pushing through the surface; sometimes other buds push out lower down and grow. But generally the stump will push up an inch or so and stay green for four or five weeks before it dies. Keeping seed beds as dry as possible seems to be the only remedy.

The outlook for trade in this valley is fine. With the Government Project nearing completion the larger ranches are being cut up and the new owners are bound to plant trees.

We are pushing at present orange seed bed stock and ornamentals.

Phoenix, Ariz.

SALT RIVER VALLEY NURSERIES

## IOWA

## FRUIT OUTLOOK IN IOWA

A summary of the condition of the fruit crop in Iowa on July first, is as follows:

Summer apples, 54%; Fall apples, 57%; Winter apples, 53%; pears, 29%; Americana plums, 45%; domestic plums, 27%; Japanese plums, 13%; peaches less than one per cent. blackberries, 87%; grapes 79% of a full crop.

Apples promise the best yield on the Missouri slope, and plums in the Mississippi valley. Blackberries are in good condition and grapes will give a fair crop in the southern part of the state.

Twig or fire-blight is much more common throughout the state than usual; excessive moisture induced a rapid growth in fruit trees which was favorable for the blight. Extra care will be necessary to prevent injury to the fruit crop from fungous diseases. Insect damage about normal.

Des Moines, Ia.

WESLEY GREENE

## ILLINOIS

## NO INSECTS TO FIGHT!

Up to date we have never had a better growing season than this year. In other years we have had before this, a great deal of trouble with leaf roller on apple trees, slugs on pear and cherry trees, but up to the present time, we have been free from all diseases, a condition we have not experienced in at least twenty years.

We have had an unusual amount of rain this season, which has helped the growth of nursery stock wonderfully. It has kept us quite busy between showers cultivating.

We grow a general line of fruit and ornamental stock.

The outlook for fall trade appears to be good. There are a great many inquiries, and believe we have booked more orders than usual thus early in the season.

Bloomington, Ill.

THE PHOENIX NURSERY CO.

## BLOOMINGTON AGAIN

In reply to inquiries as to the health and growth of nursery stock in our locality will state that we are enjoying one of the best seasons for a rapid development of nursery stock that we have ever had. We have been bothered less than usual with the pests usually so abundant in nurseries at this time of the year and we feel elated at our prospects.

We believe that our methods of thoroughly cultivating and the practical spraying that we have followed continuously, in a great measure accounts for the control of these pests. Our last year's planting has made a fine growth and our stand is above the average. Our planting of this season is the most promising of any that we have ever had. We have been bothered somewhat with white grubs in our seedling beds but it seems that they have quit working at this time.

Our fall trade was never better nor more promising than it is at the present time. There is a big demand for all classes of nursery stock and especially ornamentals. We believe that the nurseries are entering upon a most promising area for a profitable growing and selling season. The demand is good, prices are high and the supply does not appear to exceed the demand, consequently the future looks prosperous to the nurserymen who are keeping abreast of the times and developing high grade nursery stock.

THE CORN BELT NURSERY & FORESTRY ASS'N.

Bloomington, Ill.

B. J. VANDERVORT.

We are glad to say that this time prospects seem very bright. In most lines, however, in fruit as well as ornamentals there will undoubtedly be a great scarcity owing to the unusual sales last spring.

Dundee, Ill.

D. HILL



## NORTH FLORIDA

During spring and early summer the cool nights and the insufficient rainfall somewhat retarded tree growth. We are now having an abundance of rain and nursery stock generally is making a most satisfactory growth.

We have good stands in nearly all lines and prospects are for one of the best crops of trees that we have ever grown, especially in grafted roses, Biota Aurea Nana and other conifers both from cuttings and seedlings, also in budded and grafted pecan trees, figs, Japanese persimmons, Citrus trees on Trifoliata roots, and Muscadine grapes, which are the leading items grown most largely for the trade in this section.

Prospects are that there will be a shortage in peaches, plums, grape-fruit, sour orange and Trifoliata roots, for which a strong demand is developing.

Trade prospects are very encouraging, the demand both from nurserymen, dealers and planters being the strongest we have ever experienced at this time of the year. We also notice a decided increase and demand for ornamental trees and shrubbery, which in the past have been a slow sale in the lower south. Taking the season as a whole the conditions seem very favorable.

Jacksonville, Fla.

GRIFFING BROS. CO.

## OHIO

## FAVORABLE IN EASTERN OHIO

We are pleased to state that we have had an exceptionally fine growing season up to now. The ground became a little dry in July but not to the extent of stopping the growth of stock. We are making a specialty of ornamental trees, shrubs, vines, roses, and herbaceous plants. In regard to insects and scale this class of stock is not so susceptible to pests as other lines and by watching the stock closely we are able to keep our nursery comparatively clean.

As to prospects for fall trade we are not prepared to say but we have always found ready sale for our line of stock. We think we have as many orders booked as usual at this time of year and judging from the number of inquiries received we will have a very prosperous season.

Painesville, Ohio

HENRY KOHANKIE & SON

## MINNESOTA

## GOOD SEASON

The outlook this summer is very promising. We have never had a better line of stock at this season of the year. Rather more warm weather than customary and as a result we are getting an exceptionally good growth. We do not know that we have anything to offer regarding ideas on cultivation. We are fighting the weeds with all the force available at this time and we presume that this is the case with all nurserymen. Trade prospects are good. This season we are pushing plum trees, currants and timber belt seedlings.

The JEWELL NURSERY CO.

Lake City, Minn.

R. D. Underwood, Sec'y

## MARYLAND

## VALUABLE SUGGESTIONS ON CULTURE

The growth of nursery stock is good with but few insects. A little green aphid this week. We are using tobacco decoction to control the aphid. Nothing new in cultivation: Rotation of crops and thorough plowing, with cultivation every seven days and with a good hoeing occasionally usually helps things along.

Apple trees can be fed with horse manure to the best advantage. Peach trees need muriate of potash and nitrate of soda and a little whale oil soap to polish them up a little.

The pruning of nursery stock is an important item because most of the commercial growers are wanting lower headed trees and in apples prefer them 12 to 24 inches, while the small planters want their trees headed from three to three and one half feet which makes it a little difficult in growing stock for both purposes.

The outlook for trade is good.

We make a specialty of growing peach trees and we have a fine stock of one year peach at this time, about two million seedlings. We also make a specialty of growing apple trees and we have a light stock of extra fine trees of two year old stock, also a good stock of one year. We planted last season a heavy stock of ornamentals for this section of the country with very good results.

Nurserymen are invited to visit us and see the stock we have growing. We would like to exchange views with them.

Berlin, Md.

J. G. HARRISON & SONS

We have had an excellent growth on all our stock except grape cuttings up to this time. We never have had a better stand of Privet cuttings; in fact almost a perfect stand on all cuttings. Our imported stocks and shrubs have done well. Of peach seedlings to be budded this August, we have a good supply and extra fine in every way as well as Locust and Catalpa seedlings, and asparagus plants.

We have no room to complain of this season up to date. We have not been bothered with any insect diseases and we spray constantly to prevent blights and other parasites.

Trade prospects are good. Our specialties this season are heavy Peach trees, Berry plants, Asparagus plants, Privet hedging, Carolina poplars, and Forest tree seedlings.

J. E. STONER,

Westminster, Md.

Of The Westminster Nursery

## EASTERN IOWA

## HEAVY RAINS

Owing to an unusually wet season we did not get our transplanting done until much later than usual and almost continuous rains since have interfered very materially with thorough cultivation and spraying; notwithstanding these drawbacks our nursery stock has made an unusually good growth and is exceptionally free from insect and fungous diseases.

Trade has opened up with very good sales both for fall and spring delivery. We consider the outlook very satisfactory for heavy sales for both seasons. The retail trade



in our section is demanding heavier stock than has usually been delivered to them in the past and for such stock are willing to pay advanced prices.

Davenport, Ia.

DAVENPORT NURSERY CO.

## KANSAS

### POINTERS ON ROOT-GRAFTING

We have had a very good growing season so far, although it has been a little wet the past few days. Our block of apple is one of the best we have ever had and promises to make up good in the larger sizes.

We are not bothered much in this part of God's country with insects or diseases. We have been cutting our scions and seedlings to a feather edge and wrapping with cloth for the last four years and have, to a great extent, eliminated root knot.

The trade for this fall seems to be very promising at the present time, not only retail, but also wholesale; and also at a very good price.

Our main plant is apple and peach, although we have a block of very fine grape, one and two year old.

Chanute, Kan.

JAMES TRUITT & SONS

### FIGHTING WEEDS

During June we have had an unusual outbreak of weeds; the infestation has been the worst we have encountered in any one season for several years past, and our time and attention has been so taken up with this trouble that we don't know a thing that would be of any interest to the trade in general. We hope to get cleaned up soon, so we can turn our attention to other interests of the nursery business.

Topeka, Kan.

L. R. TAYLOR & SONS

### STOCK SATISFACTORY; SALES GOOD

We had it very wet here a part of the season which has made it hard to keep weeds and grass down, but for the past few weeks have had scarcely any rain.

Stock is making a very satisfactory growth. Catalpa seedlings while not a very good stand on account of so much rain early in the season, are doing fine now and promise a very large percent of the heavy grades. We never have had grapes look better at this time of year than now.

Will finish budding next week.

Retail sales for fall are considerably above those we had this time last fall.

Kansas City, Mo.

GEO. H. JOHNSTON

## MASSACHUSETTS

### CONTINUED DROUGHT BUT GOOD GROWTH

Notwithstanding a continued drought this summer, our stock has made a fine growth and is looking exceptionally well. The strong demand for evergreens continues and we have sold more than ever before for August planting. The public is appreciating more and more the beauty of evergreen trees and plants and probably more than half our stock sold last spring belonged to this class.

The trade is overstocked with pconies but there is as much call as ever from amateur growers for the better varieties, and by that we do not mean the new, expensive seedlings, but the ones which have proved themselves to be good bloomers and healthy growers. The demand for other herbaceous stock continues steady.

West Newbury, Mass.

T. C. THURLOW & CO.

## MISSOURI

### RECOMMEND SCALECIDE SPRAY IN THE FALL

Our spring season was the finest we have had in years, weather was ideal during the months of March and April and we had two months of good shipping conditions.

The months of May and the early part of June were rather cool and we had a number of very heavy rains during these two months, making it hard to cultivate properly, but it was very beneficial for the young planted stock.

Stock in general is doing nicely at this writing and if we do not have excessively dry weather from now on, believe we will get an unusual good growth by fall.

Insect pests have not bothered us to any great extent on the growing nursery stock this year; we attribute this freedom to Scalecide as for the last two years we have sprayed all of our growing nursery stock with this solution annually after the foliage has dropped or early in spring before growth started and believe by so doing we have gotten rid of many troubles that we would otherwise have had to contend with.

It is our firm belief that if the nurserymen of the United States (that is those that are located in infested sections, and who of them are not?) would spray their growing nursery stock every fall after foliage drops or early in spring before growth starts there would be less trouble with insect pests. For leaf-eating insects we now use arsenate of lead almost exclusively.

There is nothing new in the way of cultivation or fertilizing that we have taken up, we use nothing but well decomposed barnyard manure. We aim to cultivate our growing blocks once every week, rain or shine, weeds or no weeds and believe that this is the only way to conserve moisture during an excessively dry spell and to keep stock in a good growing condition.

The outlook for fall 1909 and spring 1910 seems to be very bright, especially in ornamentals; the fruit crop in this section is not good and considerable falling off in this line may be expected; small fruits have done well and have been generally profitable. We are looking for a large increase in this end of the business.

We are pushing the ornamental line in all branches and are making a specialty of California Privet of which we will have about one half million plants in all sizes, about 80,000 of which will be 2 year old transplanted stock which promises to be extra fine.

One block of ornamental shrubs contains over 50,000 plants in more than 100 varieties, grown specially for the landscape trade which promises to be the finest block we have ever grown, averaging 3 to 6 feet in height according to varieties, besides other blocks in younger stock.

Nursery, Mo.

H. J. WEBER & SONS NURSERY CO.



#### STARK BROTHERS SATISFIED WITH CROP OUTLOOK AT THEIR VARIOUS PLANTS

Since June 17th I have been visiting the various plants of the Stark Bros. Nurseries and Orchards Co., and also going over some of the fruit lands of New York and Ohio. Although they had a late spring at Dansville, the stock there is as fine as I have ever seen. The foliage on cherry and pear is practically perfect. Everything is making a very good growth.

At Portland, New York, they have a splendid stand of grape cuttings. They turned out a fine lot of roots last year, but I believe they will be as good or better this year. I visited a number of vineyards and farms in the Grape Belt, and they are expecting a better crop than last year, and that was a good one. I noticed that a few vineyards are being planted in the hill lands back of North East. This is not in the gravel belt, and is quite a distance from the lake.

Pear and cherry at Perry, Ohio, are as clean and vigorous as any I have ever seen. They seem to have no pests at this place, and all the stock has to do is to grow. The apples and other stock in the Ozarks are making a good growth.

All trees at Rockport, on the Illinois side of the river, are making an exceptionally fine growth. This rich land which lies just between the hills and the river bottom is particularly adapted to growing strong stock.

The farmers in all sections of the country have prospects of large crops, and with the stock which we expect to have, this will be the best year we have ever had.

STARK BROS. NURSERIES & ORCHARD CO.

Louisiana, Mo.

W. H. Stark, Ass't treas.

The season here has been fairly favorable for a good growth. Up to the present time, we have had no difficulty in holding the foliage on all of our stock, and indications are, at the present time, that we shall have a good growth. The budding season is now on. Stocks are working well, and while we are having a spell of hot weather, it is not having any unsatisfactory result on the growth of the stock. Apple grafts have made about the usual stand and the entire absence of wind storms leaves us with a less loss on peach and other one year budded stock, than usual.

NEW HAVEN NURSERIES,

New Haven, Mo.

R. J. Bagby, Treas.

#### KENTUCKY

##### CONDITIONS IDEAL

We have had an ideal growing season, all stock looking fine. We have the best lot of stock that we have ever grown, and as it is now getting cool at nights and the ground getting a little dry we believe that our stock will ripen up early. We also have the best lot of seedlings that we ever had; small sizes will be scarce.

Our sales are about as usual, but from the number of inquiries we are getting it appears as though the demand will be extra good. On the whole, things look very bright and we are sure that this will be one of the best seasons for the nurseryman they have ever had.

Farmers have the best crops in this section that they have grown for over 15 years.

WILLADEAN NURSERIES,  
The Donaldson Co.

Warsaw, Ky.

#### NORTH CAROLINA

Our season has been wet and warm and the result has been heavy, well grown stock. Although scale exists in many counties of Missouri we have not been bothered at all in our locality. Not only are nursery crops good but farm crops are the biggest in years. This is Missouri's banner year.

Sales have been brisk since June and we hope to place all our stock before long. Our specialties are evergreens, magnolias, blackberries and shade trees.

W. W. STANLEY

By H. L. STANLEY

#### BEST SEASON ON RECORD

We have had a very wet season up to about two or three weeks ago, but most all our stock being on fresh land it has put on very fine growth and all our stock for fall will be by far the finest we have ever had.

We have over half a million each in California and Amoor River privet and most of it has been twice cut back, making it well branched and shapely from the ground, which is very important in the planting of a hedge. Most of this stock is two-year-old, besides a fine lot of each kind in one-year-old. We last year shipped to twenty-eight states and Canada and from the outlook now this immense stock will be sold long before the close of the shipping season in the spring.

We also have in quantity Silver Maple, also Sugar and Norway Maple, Sycamore and Carolina Poplar as well as Roses, Hydrangeas, Dahlias, Cannas, etc. Our shipping season begins October the first and since the completion of our splendid basements and packing house near the depot in Bostic we are enabled to make shipments any day from October first to the last of May.

We are now building a five-room cottage on our nursery plantation one mile north of Bostic soon to be occupied by our foreman.

The outlook is by far ahead of anything yet and we expect to increase our plantings considerably another season.

Bostic, North Carolina, VALDESIAN NURSERIES,  
Bostic Department.



## NURSERY CONDITIONS IN THE NORTHWEST

The information here given has been compiled by letter by Albert Brownell of the Portland Wholesale Nursery Co., Portland, Ore. Last year Mr. Brownell made a personal visit to all the large nurseries in the northwest and compiled information direct.

During June, finding it difficult to leave at that time for a visit to the larger nurseries I took the liberty so far to impose on the good nature of one hundred of my brother nurserymen, throughout Oregon, Washington, Idaho and British Columbia, as to mail them a circular letter enclosing blanks to be filled out by them and addressed, stamped envelopes for reply, and received the information asked for from only fifty of the Nurseries addressed. This fifty, however, includes nearly all the larger nurseries in the section covered and the information given, therefore, we believe to be fairly representative.

The figures we gave last year showed an increase of about 100% in the plant of thirty representative Nurseries in the same district for the spring of 1908 over that of 1907 and we tried to show the inadvisability of making a corresponding increase in the plant for the spring of 1909 and we are pleased to say, judging from the figures we have received, the increase this year was comparatively light. This was in most lines probably due in part to the scarcity of seedlings, notably of apple. Then, too, the opinion seems to be general that there was a much smaller plant of them this season than last, but our figures do not sustain this opinion.

The increase or decrease in the plant of 1909 in comparison with that of 1908 in the fifty nurseries above referred to, was as follows:

Apple seedlings .....	67%	Increase
Apple grafts .....	31%	"
Pear Seedlings .....	13%	"
Pear Grafts .....	150%	"
Cherry Seedlings .....	13%	Decrease
Plum Seedlings .....	20%	Increase
Ornamentals .....	3%	Decrease
Small Fruit Plants .....	80%	Increase
Peach Pits .....	32%	"

The large increase in apple and pear grafts has been principally in the irrigated districts, though some nurseries that have usually practiced budding have made a considerable plant of grafts this season probably in order to get them onto the market sooner. Outside of these two items, however, the increase indicated seems to be rather widely distributed.

The season has been cool and dry and in consequence most stock, especially the new plantings, are backward and cut worms and insects have caused more loss than usual.

Eleven nurseries report their seedling plant in "Poor condition," eleven in "Fair condition," and twenty-three in "Good condition"; five report their Nursery stock, other than seedlings, "Backward", ten in "Fair condition," and thirty-two in "Good condition."

In comparing the condition of their plants, for the two years past, eight report "Not so good," eight "Two weeks

later," three "Seedlings not so good," stock better, Eleven "About the same" and fourteen "Better."

Forty-one report a "Good or extra good" cleanup and only three a "poor" one.

In comparing the business of the two seasons one reports "Not so good," twenty-two "About the same" and seventeen "Better."

As to collections ten report them "Slow," eight "Fair" and twenty-seven "Good."

In comparing collections for the past two years, eleven report them "Slower," nineteen "About the same" and thirteen "Better."

As to prospects for business this year as compared to last, six reported "Not so good," six "About the same," nineteen "Fully as good" and thirteen "Much better."

To recapitulate, the total increased plant of the fifty nurseries was about two million seedlings and grafts, or a trifle more than twenty per cent.

As to present condition of seedlings, it would seem that most of them are backward but at least half of them are in good condition, while the other half will vary from a very poor stand to fair; with one or two exceptions the stand of Peach seedlings is exceptionally fine and from our observation and correspondence we judge there will be double the number to bud in the Northwest that there was last season.

Most grafted or budded stock seems to be in good condition though much of it is backward, owing to unfavorable weather conditions.

There has probably never been a better clean-up of nursery stock in the Northwest than was made the past year and collections have apparently been equally as easy as last year.

As to prospects for business this year, there seems to be a slight majority of opinions that they are better than last season, though a considerable number seem to think it is too early to judge.

There is one item of danger in the situation that we should like to touch on lightly; this is the demand for nursery stock from the speculative planter or real estate orchard promoter. This has been very heavy the past two years and has been one of the principal factors in stimulating the nurseryman to increase his plant, but it is a very uncertain thing to bank on, for let there come a little financial flurry and it will disappear like the dew of the morning and the nurseryman who has depended almost entirely on that demand for his trade; where will he be? and echo answers "Where?"

For the nurseryman who has a good trade with legitimate orchardists, we believe the situation promising, but our advise is to make haste slowly and don't loose your head over the speculative trade.





**German Iris in Flower at the Mount Hope Nurseries, Ellwanger & Barry, Rochester, N. Y.**

The German Iris is invaluable for garden decoration, being hardy and of easy culture, and producing large, showy flowers of various colors in great abundance in June



# INTERPRETATION OF WISCONSIN LAW

Due to the fact that he had received many inquiries in regard to the new Wisconsin law governing the selling of nursery stock in the state, Charles J. Brown, chairman of the Legislative committee, secured a legal opinion on the matter from McGuire and Wood of Rochester. Since it is more than likely that there still exist some who wish enlightenment on the subject, we print entire the legal opinion as rendered. It is addressed to Charles J. Brown, chairman, and reads:

We have your letter of August 4th enclosing a copy of Chapter 468 of the Laws of 1909 of the State of Wisconsin in regard to nursery inspection within that state. You have asked us to examine the law and report to you upon it.

For the purposes of this opinion we shall assume you and your associates send or employ persons in Wisconsin to take orders for nursery stock; that those orders so taken are mailed to you and your associates at their offices outside of the State of Wisconsin, and if such orders are approved by you and your associates, then and thereafter you ship the goods into the State of Wisconsin to fill the orders.

This is quite important, because we are called upon to give you an opinion as to what is and what is not "doing business" in the State of Wisconsin.

Section 1494-4 provides that whenever any trees, shrubs, plants, or vines are shipped into Wisconsin from another state they must have upon the package, box, or car a certificate showing that the contents have been inspected by a duly appointed state or government official showing that they are apparently free from the San Jose scale, etc.

This is a reasonable provision for the state to adopt and, as we understand it, you and your associates are now conforming to that regulation.

Section 1494-6 provides:

"No person, firm or corporation shall engage or continue in business of selling, within the State, fruit trees, etc., without first having obtained a license to do business in the state. Agents and others offering for sale nursery stock in this state shall be required to obtain a duplicate of the license at the cost of a dollar each."

Under the authorities which we shall quote to you, when you obtain orders, as above indicated, you are not offering for sale nursery stock in the state and you are not called upon, nor any of the agents soliciting the orders called upon, to obtain a license. Your nursery stock is offered for sale in the State of New York.

Section 1494-7 provides that any person, firm or corporation outside of the state may obtain a license to sell plants or nursery stock in the state upon the payment of Ten Dollars, etc., and that the agents must carry with them a duplicate copy of the license.

This provision does not affect, nor can it affect you or your associates who are shipping nursery stock into the state for the reasons which we shall give hereafter.

Many of the states have provided the terms upon which foreign corporations and others can "do business" in the state and these laws have been the subject of considerable

litigation, but we think the law is getting pretty well settled in that regard at present.

In the case of the Pennsylvania Collieries Company vs. McKeever, 183 N. Y., 98. A West Virginia corporation sued for the price of a cargo of coal delivered to the defendant in the City of New York. A defense was interposed upon the ground that the corporation was "doing business" in the State of New York without first procuring from the Secretary of State a certificate authorizing it to do business in that state. Notwithstanding this defense, the plaintiff had judgment in the Court below and this judgment was affirmed in the Court of Appeals, and in the opinion the following language was used:

"To be doing business in this state implies corporate continuity of conduct in that respect, such as might be evidenced by the investment of capital here with the maintenance of an office for the transaction of its business, and those incidental circumstances which attest the corporation intends to avail itself of the privilege to carry on a business. In short, it should appear that the corporation and its officers intend to establish a continuous business in the City of New York and not one of a temporary character."

In Pennsylvania its highest Court said:

"A corporation of one state may send its agents to another to solicit orders for its goods, or contract for the sale thereof, without being embarrassed or obstructed by state regulation as to taking out license, filing certificates, or establishing resident agencies. The state which imposes limitations upon the power of a corporation, created under the laws of another state to make contracts within the state for the carrying on of commerce between the states, violates that clause of the constitution which confers upon congress the exclusive right to regulate commerce."

In Indiana, it was held that an ordinance of a town requiring all traveling peddlers of goods to take out a license was void as to residents of other states who were engaged in selling goods located in such other states on the ground that it was an interference with inter-state commerce.

In Illinois, it was held that an ordinance of a city prohibiting the selling of books within the city by an agent of a wholesale house of another state without taking out a license and paying a license fee was void as being in conflict with the federal power to regulate commerce between the states. The Supreme Court of the United States (113 U. S., 728) long since decided, in construing a statute of Colorado, that it could not be construed to prevent the plaintiff, a corporation of another state, from transacting any business in Colorado, which, of itself, is commerce, and any attempt to prohibit it, except upon conditions, is



to regulate commerce between Colorado and Ohio where the plaintiff resided and that power is within the exclusive province of congress.

Finally, we hold that all of this act, which requires any of your agents in soliciting orders in Wisconsin to take out a license or to carry with them duplicate license, is void on the ground that congress alone can regulate commerce between states and that you and your associates, when shipping goods into Wisconsin to fill orders taken by your agents in Wisconsin, are engaged in inter-state commerce, and the legislature of Wisconsin is without power to place conditions upon the manner in which you shall transact this inter-state commerce.

This, of course, does not in any manner deprive the State of Wisconsin from the enacting of just and reasonable laws under its police power to prevent shipment into the

state of dangerous or diseased nursery stock, and it is for this reason that we say to you that Section 1494-4 requiring you to have affixed to the boxes a certificate from a duly appointed state or government official at your place of residence showing that stock is free from San Jose Scale or other injurious insects, or from its diseases, is a reasonable regulation, and if you desire to ship nursery stock into Wisconsin you will be required to comply with that provision.

If there is any other portion of the act about which you are in doubt we shall be very glad, indeed, to call specific attention to it, but the provisions above referred to are the only ones which seem to affect you or your associates who are carrying on business in other states than the State of Wisconsin.

Respectfully submitted,

McGUIRE & WOOD

## F. W. KELSEY ON PARK COMMISSIONS

Frederick W. Kelsey, president of the American Nursery Company of New York is the author of an article on "The Duties of a Park Commission." The article was written in reply to an inquiry as to the duties of such a commission. Mr. Kelsey is eminently fitted both by his experience and ability to express clear and sensible views, along this line. The article appeared in a recent number of the *Florist's Exchange*.

In substance the paper was as follows:

There are five considerations that should have the attention of a commission starting on its work, namely:

- "(1) Care in organization.
- (2) Selection of competent and reliable assistants.
- (3) The elimination of practical politics from the undertaking.
- (4) Avoiding mistakes from the experience of park boards in other cities.
- (5) The treatment of the whole question of parks, parkways and playgrounds in a comprehensive way for the entire city at the outset, before the piecemeal or sectional policy and consequent local jealousies can obtain a foothold."

The intrusion of practical politics is the bane and the millstone about the neck of efficient and economical administration everywhere. These undesirable conditions are not infrequently injected into the enterprise co-existent with the creation of the commission itself. Whatever the method of selection or election, it is difficult to entirely eliminate or afterward eradicate this costly and baleful influence.

A not infrequent mistake in new park schemes is made at the outset in considering only certain sections, without a broader view of the requirements of the city or community as a whole. Both as to the appropriation of available park funds, as well as to the present and future needs of the population, the entire available area should be first studied as a whole and the relations of each park and

parkway location then considered as integral parts of the whole.

Another thing the board may well avoid is the interference of speculators and other special interests, who, in new park enterprises where public funds are to be expended, are like the patriot (?)—always for the flag—and an appropriation.

These influences for graft, privilege and plunder, come, like spirit knockings, right up under a park board table, demanding to be heard and their claims recognized, though the source of the noise may be as effectively obscured in the one case as the other.

Then, too, if the park commission include in their plans an avenue or street needed for a parkway, while the same route is in use or demanded by a street railway or other utility corporation for its purposes, watch out and take the field for the fray; stay in the fight to the finish and, if you do your duty, you will surely win; although the press bureaus, subservient politicians and corporate representatives in authority may, at times, make the outlook gloomy and the duties of park commissioner at such times seem anything but attractive."

Mr. Kelsey's experience has been varied and he speaks as an authority. His work has clearly demonstrated his ability to cope with all situations whether of a horticultural or political nature. In his article he draws particular attention to the fact that a park commission, while it may possess enough knowledge as to the artistic side of its work, may lack in executive and administrative qualities. A park commission must, in laying plans for any one park or improvement, have a complete conception of the future lines of development of the park system in the city or community. Nurserymen who are called upon to serve as park commissioners, cannot do better than seek Mr. Kelsey's aid and advice.



# TRANSPORTATION MATTERS

The following extract shows how Mr. Sizemore, freight and claim agent of Stark Bros. Company, is aiding the transportation committee in their efforts to adjust classification matters.

"Rule 8, page 3 Western Classification provides for the excess of a car to go at car rate when minimum is 30,000 lbs. or above 'provided commodity is loaded in a box car.' As the minimum on nursery stock is 16,000, 20,000, and 24,000 lbs. and in the winter time when shipping seedlings and other stock in refrigerator cars the above rule was of no benefit to the nurserymen, and Mr. Lake thought it might be possible to have change made at this meeting.

It appears that the Iron Pipe manufacturers had rule docketed desiring the elimination of the seventh line which reads "provided loaded in a box car." The elimination of the seventh line would not help the nurserymen any, and as what Mr. Lake desired had not been properly docketed it could be considered in open meeting, but through the influence of our Alton and other railroad friends the matter is to be given special consideration in executive session. Had the promise of the Alton, 'Frisco, Rock Island, Union Pacific, Colorado Midland, Salt Lake Route, Chicago, Burlington and Quincy and Missouri Pacific representatives that they would support matter when it came up, but there appears to be considerable objection to making an exception in favor of nursery stock as it would make an opening for other shippers to apply for exceptions in favor of their commodities. Mr. Holcomb, the C. B. & Q. representative, stated that he did not think the question was one for the Classification Committee to decide, further stating he thought they would be able to handle it through the Western Trunk Line Committee.

I informed them that we shipped last spring over 200 refrigerator cars and quite a number of them only contained from 10,000 to 12,000 lbs. and in view of this fact thought nurserymen were entitled to have their excess refrigerator cars go forward at the car-load rate.

All representatives interviewed expressed themselves as being friendly to the nursery interest, realizing what it meant to them in the future, but the main thing against the proposition was the low minimum on nursery stock now existing. However, it is my opinion chances are even for carrying proposition.

Quite a number of railroad men congratulated the nurserymen on their success at the Mobile meeting last January, in having the obnoxious release clause eliminated. While quite a number of them could not recall my name all of them remembered the Stark Delicious Apple and stated in a joking way that they hoped the apple donation would be duplicated at their next meeting to be in San Antonio, Texas, in January. They were greatly surprised when I told them that during the past twelve years our sales shipped amounted to \$7,026,533.57 on which we had paid freight of \$500,503.94; that we had collected from the railroads in the way of overcharge and loss claims on the above \$16,703.29, this being divided into \$8,269.89 for lost shipments and \$8,433.40 overcharges.

The percent of shipments lost based on amount shipped is a little better than one-tenth of one per cent and the per cent lost based on amount of freight is one and six-tenths per cent. Should some nurseryman stick the railroads, account the \$5.00 release clause being eliminated, Chairman Becker may place the subject on docket at some future meeting with view to raising rates, and should this be done such figures as above would prove beneficial to present to the committee which would show practically nothing lost compared to the amount shipped.

SIZEMORE, Freight and Claim Agent

Stark Bros. NURSERIES & ORCHARD Co.

## ANOTHER NOVELTY

The Prince Bismarck, a tall, pyramidal, pure white plant is one of the most remarkable of recent novelties, surpassing in its qualities all other varieties so far on the market. It is hardy in growth, with long, vigorous branches covered with large bouquets of pure white flowers. Outdoors it may attain to a height of 31 inches or more. It is of value in the borders or grown singly; in the latter case it develops into a fine shrub with large clusters of flowers. It begins to flower when other stocks have already finished, and continues uninterruptedly until Fall.—*Revue de l'Horticulture*.

## NURSERYMAN MAKES LIBERAL GIFT

In his desire to see beautiful parks in Fresno, Cal., George C. Roeding, the well known nurseryman, has spared no money to accomplish this result and as a consequence the new portion of Roeding's Park, consisting of 47 acres which was donated to the city, has been all planted out this spring. But for Mr. Roeding's generosity this would never have been accomplished. When all had been figured out, it was found that the plants donated by Mr. Roeding and set out in the park this spring, amounted in value to \$3618.82.



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AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900

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Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

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ROCHESTER, N. Y., SEPTEMBER, 1909.

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## STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.  
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.  
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.  
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.  
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.  
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.  
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.  
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.  
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.  
Pacific Coast Association of Nurserymen—President, C. Malmo, Seattle, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.  
Pennsylvania Nurserymen's Association—President, Thos. B. Meehan, Dreshertown, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.  
Southern Nurserymen's Association—President, Henry B. Chase, Huntsville, Ala.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.  
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.  
Texas Nurserymen's Association—President—J. B. Baker, Ft. Worth, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.  
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kans.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.

## POMOLOGISTS AT ST. CATHERINES

The oldest national organization of fruit growers, the American Pomological Society, is well known to nurserymen. Indeed it was founded by the pioneers of the nursery business of this country. John J. Thomas, Patrick Barry, Thos. Meehan, Prosper J. Berckmans, C. L. Watrous and J. J. Harrison, were all among its early promoters. The last three we have with us still active in the furtherance of fruit culture in all its branches.

The forthcoming meeting of this society at St. Catherines Ontario, Canada, in the heart of the Canadian Fruit belt may be regarded as an event of unusual importance in the fruit growing world. An unusually attractive program is being arranged which will cover the important problems of the day and include the leading authorities touching the field of pomology. The meeting will be strongly supported by the Ontario Provincial government and will occur September 14-16, 1909. Full particulars may be obtained by advising the secretary, John Craig, Ithaca, N. Y.

## SEPTEMBER THE MONTH OF FAIRS

Once more the State and County Fair period is upon us. Again, a large number will arrange to attend the principal fairs in their own state. They will go for purposes of amusement and instruction. Their motives range all the way from interest in the "Hoss trot" to the instruction available by the representatives of the Experiment Stations. After all a great many—probably an increasing number each year—attend with serious motives in view. In view of this would it not pay nurserymen to attempt more elaborate displays than they generally make on these occasions? It is true that the fair often hits their busy season but we are of the opinion nevertheless that the effort is worth while.

## SCION WOOD

On another page of this issue is an interesting communication on the matter of the influence of the scion on the resulting tree. It has been freely stated by careful fruit growers, and we may say by men who study the scientific aspects of orcharding that the scion exercises an important influence on the health and productivity of the tree, that for instance the common practice of the nurseryman in cutting budding and grafting wood from trees grown for the purpose tends to encourage wood production and discourage fruitbud development. This furnishes plausible ground for argument but so far as we are aware we have no indisputable data to prove or disprove the proportion. It is reasonable to suppose that a bearing tree of otherwise good habit will transmit its desirable characteristics. On the other hand is it not probable that there is little likelihood of inculcating a lifelong wood-producing habit by a few years of cutting back? We can conceive of the situation becoming acute if this practice were continued in direct succession for a number of tree generations but this is not likely to occur in the ordinary course of nursery events. Let us have a discussion of this interesting subject. Opinions, observations and experiences are earnestly solicited.



## APHIS AN EPIDEMIC OF 1909

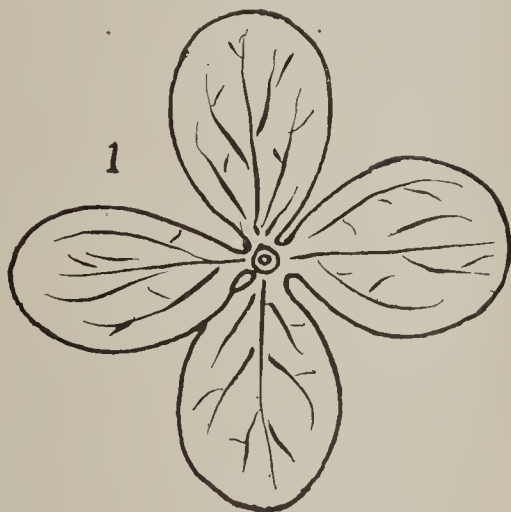
In our estimate of the apple crop of the year given in the August issue, mention was made of the invasion of New York apple orchards by aphids or more commonly known as plant lice. There appears to be a particular strain of this minute insect enemy for every class of plant which we grow, whether it be wheat, timothy, apple, cherry, pear or plum. In the nursery it is controllable by laborious spraying and dipping methods using an oil or other contact spray, but in the orchard the problem is much more difficult. This was the case in New York and Pennsylvania the past summer. It is usual for the pest to disappear early in July but this year the dry weather conditions were so favorable that it hung along into August. The net result has been a material shrinking of the promised apple crop of the region. It does not seem probable that Western New York will turn out more than fifty per cent of a full crop and much of the diminution is to be charged to our minute enemy of the sucking habit.

## fruit and Plant Notes

### THE HARDY HYDRANGEAS

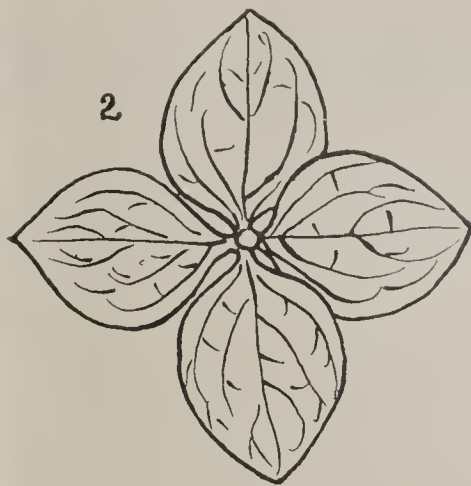
Besides the varieties of *Hydrangea hortensis* (*H. Hortensia*) not hardy in our northern latitudes there are now known four different hardy forms of *Hydrangea* which have all or nearly all of their flowers converted into large and showy sterile ones. These four forms belong to three different species and can be easily distinguished by the characters given in the following descriptions:

1. *HYDRANGEA PANICULATA GRANDIFLORA* (Sieb.). This differs from all other forms in the shape of its inflorescence which is pyramidal in outline, up to 12 inches in height and up to 9 inches in diameter at the base; the individual flowers are about 1 inch in diameter with obovate or oblong-obovate obtuse sepals, white at first, later tinged more or less purplish. It grows into a large shrub or even into a small tree and flowers in August and September, later than any of the other forms. It was introduced from Japan about 40 years ago and is now a well known shrub much planted for its showy and late flowers.



*H. paniculata grandiflora*

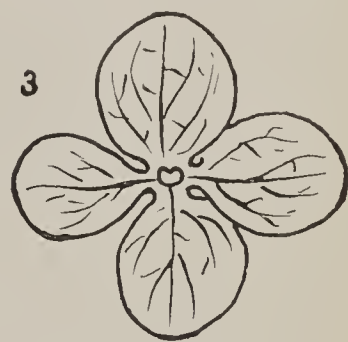
2. *HYDRANGEA CINEREA STERILIS* (Rehd.). This differs from all the other forms in that its leaves are furnished on the under side with a rather dense covering of hairs soft to the touch. Like the two following forms it bears its flowers in large flattened clusters broader than high or sometimes almost sub-globose, 6 inches or perhaps more in diameter. The individual flowers are about 1/2 an inch broad with oval or roundish obtuse sepals. Like the follow-



*H. cinerea sterilis*

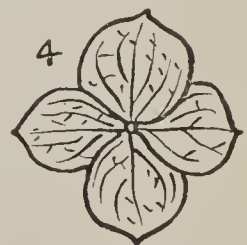
ing forms it is a many-stemmed bush scarcely growing higher than about four feet and producing every year new shoots from the roots; it blooms in July. It is not yet in the general trade and was found but a few years ago in the nursery of E. Y. Teas of Centerville, Ind., among plants of *H. arborescens grandiflora* the origin of which could not be traced. It was probably collected wild somewhere in Ohio.

3. *HYDRANGEA ARBORESCENS GRANDIFLORA* (Rehd.). In habit and in shape of the flower clusters it resembles the preceding form, but its leaves are glabrous and the individual flowers larger and of different shape. The clusters are from 5 to 8 inches in diameter and the individual flowers are 1/2 to 1 inch broad with ovate or oval sepals pointed at the apex, white at first and usually changing finally to greenish white. The leaves are ovate or nearly so and rounded or slightly cordate at the base. This plant has apparently been in cultivation in a few private gardens for a long time, but only secretly has it been offered to the trade, sometimes under the name *H. arborescens alba grandiflora* or *H. arborescens sterilis*.



*H. arborescens grandiflora*

4. *HYDRANGEA ARBORESCENS STERILIS* (Torrey & Gray) This closely resembles the preceding form, but the individual flowers are smaller, about 1/3 to 1/2 inch broad with oval or rounded sepals furnished at the rounded apex usually with a small bristle-like point. The leaves are longer and narrower, more oblong in outline and narrowed or rounded at the base; they resemble in shape those of the second form, but are glabrous. This form is apparently not now in cultivation; it is known only from an herbarium specimen collected more than 70 years ago in Pennsylvania, whether from a cultivated or wild plant is not apparent from the label.



*H. arborescens sterilis*

### THURLOW'S GERMAN IRIS

German Iris is one of the specialties of T. C. Thurlow & Co., West Newbury, Mass. and they have taken the first prize for a number of years at the Massachusetts Horticultural Society. Their land seems particularly well suited for growing the Iris, being a light, rich loam which gives a strong root growth. They do not use manure but apply a liberal dressing of meadow muck which promotes a strong healthy growth without any of the rot which proves disastrous to Iris.



# WORK OF COMMITTEES

Although there has not yet been great activity among the new committees appointed by President Stannard, the following extracts from letters of various chairmen will prove of interest

## LEGISLATIVE COMMITTEE

As Chairman of the Legislative Committee, I am working along the lines of my worthy predecessor, Mr. William Pitkin. He has promised to work with me and I expect that he and the others who did such good work at Washington last winter will continue to help me with the federal matters, and I shall expect to call upon local representative men in the different states to assist when legislation in their own states is being considered.

CHAS. J. BROWN.

## ENTERTAINMENT

I have as yet done nothing towards the entertainment for the next convention, but will take the matter up shortly and select the other members of this committee.

The time has been too short to take any definite steps regarding the kind of entertainment we will be able to provide. It will of course be impossible to come anywhere near the elaborate entertainment provided at the Rochester convention, unless the western nurserymen subscribe liberally to the entertainment fund; but with the high mark set by the Rochester convention and the Dallas convention a few years ago, your committee will have no easy row to hoe, but assure you that we will go as far as we can.

F. A. WEBER

## NATIONAL COUNCIL OF HORTICULTURE

As chairman of committee on Co-operation with National Council of Horticulture, I have to report that since the appointment was made, without any appropriation, I had not felt like attempting to do much more than get in touch with the officers of the Council and make observations upon their work during the year so as to be in position to make recommendations to our Association next year about the amount of appropriation, if any, to be made for this purpose.

During this very heated term it would not be reasonable to expect them to be doing very much in the way of printing matter calculated to induce planting of nursery stock. In the autumn and winter will be a better time. I shall endeavor to gather what facts I can, to lay before the Association in Denver next year.

C. L. WATROUS

## TRANSPORTATION

As Chairman of the Transportation Committee, I am having our Traffic man give close attention to everything of interest to the trade. Later there may be something of interest to report and if so we promptly make it known.

W. P. STARK

## PROGRAM COMMITTEE

As chairman of the Program Committee of the American Association of Nurserymen, I have nothing of special interest to report. Now that Denver has been selected as the place of next meeting, it is the hope of the committee to enlist some of our Pacific Coast brethren and secure them for papers on the program at the next meeting. An effort is also being made to have a large representation from the Pacific Coast Association.

Communication is received from Mr. W. F. R. Mills, secretary of the Denver Convention League, expressing appreciation in the selection of Denver as our next meeting point. He states that arrangements will be made for meeting place, committee headquarters, etc., without expense to the Association and that the local committee on entertainment will see that we are properly taken care of while in their city.

Denver knows how to entertain the "stranger within her gates" and I feel sure that no mistake has been made in selecting the "mile high city" as our next meeting place.

J. W. HILL

## CO-OPERATION WITH ENTOMOLOGISTS

As nurserymen will notice on page 60 of the report of the proceedings of the 34th annual convention of the American Association of Nurserymen the committee of Co-operation with the Entomologists was discharged, therefore, there is no report to make, however, if there is anything we can do for the interest of the association at any time, it will be our pleasure to do so, whether with the entomologists, nurserymen or whatever line it may be.

ORLANDO HARRISON

## EXECUTIVE COMMITTEE

Since I have been away from home most of the time since the Rochester convention, I do not know of anything of particular importance to come before the executive committee for action. We have practically nothing to do with originating plans of work, only passing on work that is referred to us.

J. H. DAYTON

## EXHIBITS

As yet I have not made a start on the work of the Exhibit Committee. I have been waiting to see where the convention would be held that I might pick out the balance of the committee to work to the best advantage for the location selected. I shall put on at least one Colorado man, and a special effort will be made to have an exhibit of the fruit grown in Colorado, man, and a special effort will be



made to have an exhibit of the fruit grown in Colorado, if it is possible to do so. This matter will be taken up at once with someone interested along that line that lives in Colorado, that we may be able to get the best of results. Moreover, I shall try to get someone from the coast to co-operate with us on the fruit exhibit, and try to make this a special feature of the display. I fear that the high freight rates and long haul may make it too expensive for the implement men to exhibit there, yet it would be an ideal place for all the spray machine men and insect killers of all kinds to exhibit since they would be exhibiting in a country in which such things are used each and every year.

Those who know of the grand climate of Colorado are probably wishing that the convention was held there this month that they might have a good excuse to be free from the excessive heat that is prevailing over the whole country.

E. P. BERNARDIN

### FORESTRY

The Committee on Forestry provided for by the American Nurserymen's Association is of recent origin. I can find no record of anything done by such a committee in the past, neither any definition of the duties of the committee. I take it that the purpose of the Association in arranging for this committee was that it might co-operate as an association with all organizations, local, state and national, for the conservation of our forests and the promotion of forest planting.

Having been appointed chairman of the Forestry Committee by President Stannard, I have selected four representative men from different sections of the country, who will, I think, willingly and efficiently represent the Association in their respective localities in all local, state and national movements for the promotion of up-to-date forestry ideas as well as the conservation of our natural resources. These men are C. M. Hobbs, chairman; Allen L. Wood, Rochester, N. Y., J. W. Hill, Des Moines, Ia., Peter Youngers, Geneva,

Neb., J. H. Skinner, No. Topeka, Kans. I think we may accomplish quite a good deal by this co-operation with local and national organizations in their work along these lines; also by the use of the papers and magazines for informing the public on these subjects and keeping the matter before the people.

I am convinced that this is a very important subject, and one that the masses know but little about, and that they will have to be educated to see its importance and enthused to action. The rapid depletion of our forests, the increasing high prices of lumber, the drying up of the sources of many of our streams and the climatic conditions all urge the importance of a united effort throughout the country for the conservation of our present forest areas and the planting of new ones.

C. M. HOBBS

### TARIFF

The Tariff Act as finally passed is exactly as it has been printed in the NATIONAL NURSERYMEN and agrees with the report which I made to the Nurserymen's Convention with the exception of one change due to the United States Forestry Department. This change calls for "Evergreen Seedlings" in the free list. Just what the ruling of the Treasury Department will be in this matter is not yet known but it will probably admit free all sorts of evergreens, grown from seeds, whether they are seedlings from the nurseryman's point of view or are older trees, the decision of the Court having ruled that all evergreens grown from seed are seedlings regardless of size or age.

It is needless for me to say that our committee had a very hard fight on this point and had we been backed up as loyally as we should have been by the Congressmen from the central west we might have won out! However with that single exception we got just what we asked for and all we asked for, including forty cents duty on rose plants.

IRVING ROUSE

## THE WONDERBERRY

The controversy in relation to the value of the Wonderberry has occupied much space in current issues of the foremost agricultural journals. The ins and outs of the discussion are too many and complex to be followed here. It is enough to say that the editors of the *Rural Yorker* have challenged Mr. Burbank's statement that the plant is a new production. They claim it to be an established plant under a new name and hence not a discovery.

The first nurseryman to express an opinion on the matter, as far as we can learn, is Mr. Geo. C. Roeding, of the Fancher Creek Nurseries, Fresno, Cal. In the *Rural Californian* he says:

"You will probably be interested to learn that the Wonderberry about which there has been so much discussion in agricultural as well as daily papers of late, has more merit than has been credited to it. The plant is undoubtedly an improved *Solanum nigrum*. The practical difference between the two, however, is that the common night shade produces berries which are really nauseating to the palate,

so much so that even if they are not very poisonous, but few would attempt to partake of many of them, while the Wonderberry, although it does not possess the flavor of some of our raspberries, blackberries, etc., nevertheless has sufficient flavor so that I could not resist the temptation of eating a couple of handfuls. Mr. Burbank assured me in his simple and unostentatious way, that they were good, and I must say that I had to agree with him. In the vicinity of the patch of Wonderberries, he had some of the ordinary Night Shade growing, and a bite into one of these berries was sufficient. It still remains to be seen whether the Wonderberry has any commercial value, but there is no denying the fact that it is not the fake which some publications have represented it to be, provided the seeds reproduce plants like the parent stock I saw at Mr. Burbank's. The experience which Mr. Burbank has had with this berry is only another illustration of the extreme care necessary on the part of the originator of a new fruit to be sure of its merits before offering it for sale to the public."



## Obituary

### THOMAS CHASE THURLOW

There died at West Newbury, Mass., on July 21st, a man who has been long and honorably connected with the nursery business of New England. This was Deacon Thomas Chase Thurlow, who was born in that town in 1832, where he made his home till the time of his death. He engaged actively in the nursery business in 1858. In this he succeeded his father, who had already established a small nursery in West Newbury.

Mr. Thurlow was essentially a plant lover. He handled plants more for his personal love of them than for the com-



Thomas C. Thurlow

mercial possibilities. In later years he became a specialist in several lines. The peony was notably one of his hobbies, and the Cherry Hill Nursery, as a center for new varieties of peonies became famed throughout New England. Mr. Thurlow was a member of the American Peony Society, the American Pomological Society, the American Association of Nurserymen, and the Massachusetts Horticultural Society. In all of these organizations he was an active worker.

Deceased left a wife and four children. The business will be continued by his sons Edward and Winthrop Thurlow.

### WILLIAM H. RAGAN

Prof. W. H. Ragan, Assistant Pomologist and Expert in Nomenclature, Bureau of Plant Industry, Department of Agriculture, died in Washington, D. C., Friday, August 6th, aged 73. He was Secretary of the Indiana Horticultural Society for nearly forty years; he was superintendent of Pomology at the Cotton Centennial at New Orleans in 1884-5, and held the position of secretary to the Mississippi Valley Horticultural Society for some years and was secretary of the Committee of Awards in the Department of Horticulture at the Exposition in Chicago, 1892. For many years he was Chairman of the Revision of the Catalogue of Fruits for the American Pomological Society and was a lifelong member of that Society, doing much for the cause of fruit growing throughout the country, especially pioneer work in the states beyond the Mississippi river. He was born in Putnam Co., Indiana, in 1836 and was the son of the late Reuben Ragan, a well-known pioneer pomologist of that state.

### EUGENE-EMERY TRANSON

On Wednesday, July 23, in Orleans, France, occurred the funeral of M. Transon, nurseryman and horticulturist. He had reached the age of seventy-two when death came. He was at one time a member of the commission in charge of gardens. Many friends in France mourn his death and many in this country who knew M. Transon by reputation extend their sympathy to those bereaved.

We will help you in making your advertising more efficient; you will make a large percentage on the money invested. Ask our assistance in preparing your copy and planning your campaign and we will give you the best result for the least money. Grab on to those ideas about persistency, quality, and distinctiveness.

## Business Movements

### BROWN BROTHERS VANCOUVER (B. C.) BRANCH

This branch of Brown Brothers Company is in charge of Mr. Charles L. Trotter and was established a little over a year ago. The manager, Mr. Trotter, has been associated with the company for a number of years, first with The Chase Brothers and Bowman Company at Rochester, and later as canvassing salesman in Ontario, and subsequently as manager for the Bowman Company in the Province of Ontario. When the Vancouver Branch was established Mr. Trotter was selected for the important post of manager. He has been a constant and appreciative reader of the NATIONAL NURSERYMAN, and although rather remote from his former associates still keeps closely in touch with the progress of nursery affairs in the east.

J. H. Cunningham & Son of Rising Sun, Ind., wish to inform their brother nurserymen that they have changed their firm name to "The Cunningham Nursery Co." No change has been made in the management of their business.

It is the purpose of this company to devote their time strictly to the wholesale trade and grow a general line of fruit trees, forest seedlings and hardy ornamentals.



## Doings of Societies

### TEXAS

The tenth annual session of the Texas Nurserymen's Association took place July 28 and 29 at College Station. The program was spirited and included addresses by the following growers: Eugene Hudson, W. A. Stockwell, J. R. Mayhew, J. T. Foote, H. C. Styles, S. Aria, F. T. Ramsey, F. W. Mally, C. C. Hayhew, W. A. Yates, W. B. Munson, John F. Sneed, E. W. Know, Judge E. R. Kone, and S. H. Dixon.

The banquet was held in the Men's Building on the night of July 29. The fare though simple was good and the sociability was of the best variety.

### [GEORGIA]

A very successful meeting of the Georgia State Horticultural Society was held at Athens, August 4-5. Under the management of President P. J. Berckmans, Secretary J. B. Wight, Cairo, and Treasurer L. A. Berckmans, of Augusta, Georgia fruitgrowers carried out in part the following program:

"Market Gardening," by F. J. Merriam; "Effect of Cross Pollination on Horticultural Plants," by Professor R. J. H. DeLoach; "Spraying to Control the Black Rot of Tomatoes," by Professor H. P. Stuckey; "Peach Insects, Their History and Control," by E. L. Worsham; "Apple Insects, Their History and Control," by A. C. Lewis; "Starting an Orchard," by Professor T. H. McHatton; "Hardy Ornamental Plants in Middle Georgia," by B. W. Hunt; "The Benefits Which Have Been Derived from the Work of the Fruit Exchange," by I. M. Fleming, Manager Georgia Fruit Exchange, Atlanta, Georgia; "Selling One's Products at Prices that Will Be Uniform and Creating Values of our Orchards," A. M. Kitchens, Baldwin, Georgia.

### MARYLAND

The summer meeting of the Maryland State Horticultural Society was held at Mountain Lake Park, July 30 to August 2. The program was unusually interesting and included the following subjects: "Mountain Orcharding," S. W. Moore, Elwell, W. Va.; "The Use of Fruit in the Household," Mrs. H. J. Patterson; "The Pure Food Laws as Affecting Fruit Products," Dr. H. W. Wiley; "Success in Growing and Marketing Fruit," S. L. Lupton; "Government Cooperative Work in Handling Fruit," W. A. Taylor.

The first days of August were spent in visiting orchards near Hancock and they were enjoyably passed.

### NOTICE TO THE TRADE

We beg to announce to the trade that we the undersigned, have no more official connection whatever with The Schroeder-Son Nursery Co., although we own considerable amount of stock in said company.

We expect to open up an office in Denver within a few weeks. Our present address is corner W. 46th Ave. and Quitman St., Denver, Col.

PETER SCHROEDER  
R. M. SCHROEDER

### SOCIETY FOR HORTICULTURAL SCIENCE

The Society for Horticultural Science will hold its annual meeting at St. Catherines, Ontario, Canada on Monday, September 13, immediately preceding the meetings of the American Pomological Society which occur on the 14, 15 and 16th respectively. The Welland Hotel will be headquarters for the Society.

The program will be one of the best which the Society has ever had. Dr. L. H. Bailey, Director of the Experiment Station and Dean of the Department of Agriculture of Cornell University will discuss "The Field of Research work in Horticulture." Dr. E. W. Allen of the Office of Experiment Stations, Washington, D. C., will discuss "The Adams Fund in Its Relation to Investigations in Horticulture." Dr. H. J. Webber of Cornell University will outline the work being carried on there under the Adams Fund Act and Prof. S. B. Green of St. Anthony Park, Minnesota will outline the work being done under this act at the University of Minnesota. There will be several other papers but these have not been definitely arranged for at this time.

C. P. CLOSE, Sec.-Treas.

### PLAIN WORDS ON AN OLD SUBJECT

Many are the sins of exaggeration that are pardoned when the subject of discussion is advertising. So much and so often are we all advised and, yes, even howled at, to advertise that we either become negligent of the whole matter or eccentric about it. Now the plain truth about advertising is so very simple that we often easily overlook it. The fundamentals of this art and business expedient are three and are: (1) To let those who can use your goods know that you are firmly established in business; (2) To offer an honest article for sale; (3) To be distinctive about all phases of your business.

There is nothing like endurance to help one win out in all competitions and so it is that there is value in persistently letting people know that you are alive and moving. Even a small space well used will bear to them your message of reliability and sturdiness, but coupled with this establishing of a reputation for pluckiness must come the honesty of the goods sold. A good article sold will sell many more of the same kind. Moreover, one cannot afford, in speaking to an advertisement-besieged public, to make a commonplace appeal.

To separate your advertisement from the many others let there be something distinctive about it. Maybe the well-chosen name of your nursery may attract the eye. Maybe the goods offered or the character of the wording may exert an influence. Why should anyone patronize you rather than the other fellow? What is there about the articles you offer that makes them better than those of any other nursery? Let your advertisement answer these questions in advance—and you will get the business.

For nurserymen and for those who sell nursery supplies there is not a better medium than the NATIONAL NURSERYMAN. But remember that if you persist in running a flat, unattractive advertisement and only let it appear spasmodically you will get no results. Whose fault is it?



### TAXATION OF NURSERY STOCK

Query: Is the taxing of nursery stock by state legislature a constitutional act? We understand that the state of Minnesota has passed such a statute. Z.

Answer by Professor Wm. L. Drew, College of Law,  
Cornell University

Editor NATIONAL NURSERYMAN:

I have your letter asking about nursery stock being the subject of taxation.

It is probably within the power of the legislature of every state to tax nursery stock. There would have to be some provision in the constitution of the state forbidding such a tax to limit the legislative power. It is unlikely that the constitution of any state contains such a provision. As the legislature has the power, it is therefore purely a statutory question in any particular state.

Your correspondent thinks that two statutes in Minnesota are inconsistent with each other. They do not seem so to me. The constitution of the state (Art. 9 § 3) provides for the taxing of all real and personal property with certain named exceptions, none of which includes nursery stock. Sections 794 and 795 of the Revised Laws of Minnesota are similar to and carry out the constitutional provision. The latter named section enumerates the kinds of property which shall be exempted from taxation; but none of the classes would include nursery stock. The legislature then, for purposes of taxation, classifies property into real property and personal property and defines each class. Section 797 subd. 4 provides that all stock of nurserymen, growing or otherwise, shall be classed as personal property. Section 810, providing for the valuation of real property, specifies that structures and improvements shall be included as part of the land but that growing crops shall be excluded. If we regard nursery stock, growing upon the land, as a growing crop, it is entirely consistent with section 797 that it should be excluded as part of the land, as it has, by that section, been declared to be personal property. Such exclusion does not mean that it is not taxable but merely that it is not taxable as land. Taking all of the provisions together it seems clear that nursery stock is taxable in Minnesota as personal property.

### THE WORK OF THE TEXAS NUT GROWERS' SOCIETY

By F. T. RAMSEY, President

The existence of our society for the past four years has called the attention of the great mass of our citizens to the value of pecans as nothing else within our power could have done. Many men, women and children have been interested to a degree that prompted them to plant either trees or nuts. Now, when one does this, he adds to the riches and beauty of his country and to the comfort of its inhabitants. Many have also learned that a seedling pecan never bears nuts like the one planted, and they have been taught how to bud and graft them.

This society has taught many the value of an indifferent pecan grove, if good sorts are budded on and it has taught the man with poor hickory hills that he can bud pecans

on hickories and make his land rate in value with the best in the state. And this is not all, for in some cases, by design, in others by desire and in still others by accident, we have demonstrated that pecans will grow on thousands of acres on which it was supposed that they would not do well. We have taught the producer who has small pecans that he can shell out the kernels with a small, cheap machine and thus realize nearly as much per pound net for his nuts as he usually gets for the few fancy nuts he may have.

These are only part of the good things that our society has promoted, started or accomplished. Those of us who, for the love of the work, have toiled a little may feel satisfied; and whether we, in the future, accomplish much or little, it is gratifying to sum up the work of the past.

### HOW AND WHY COLOR PAYS

This is the theme of the June-July number of "Orders" the booklet published occasionally by the McFarland Publicity Service, Harrisburg, Pa. Judging by the excellent colored illustrations contained in the latest number color will and does pay. As is usual with the McFarland work everything is in good taste and effective.

### TREES OF QUALITY

Under this title the Winfield Nurseries, Winfield, Kas., has issued an attractive booklet. The cover design is in color and represents the Mersereau blackberry. The contents include such things as a brief history, methods employed and copies of a great many valuable testimonials. The booklet is interspersed with illustrations of stock grown.

### MILLIONS OF STRAWBERRIES

W. W. Thomas of Anna, Ill., writes in the following manner of his strawberry plants: "I have planted a large acreage of strawberry plants for next season and they are making a fine growth as we got them planted very early. I expect to have many millions of plants to offer to the trade for next season."

### ELLWANGER AND BARRY

Under the title of "Select Peonies, Phloxes, Irises for Fall Planting" Ellwanger and Barry have issued an attractive booklet of value to intending purchasers. There are in the center of the pamphlet four full-page illustrations of the flowers treated. The typography is in extreme good taste. A booklet of this description makes the prospective customer confident as to the quality of the stock that he will receive.

### APPRECIATION

Mr. A. I. Smith, secretary-treasurer of the Knoxville Nursery Co., Knoxville, Tenn. writes: "We appreciate the good work you are doing with your journal and wish you continued success." Mr. Smith is evidently one of those men who believes that a trade journal has a work to do and also that we as a trade journal are doing our work. We prize his letter because of the recognition it makes of hard work carried on quietly and steadily.



## Correspondence

### SHOULD NURSERYMEN CUT ONLY FROM CAREFULLY SELECTED SCIONS

Editor NATIONAL NURSERYMAN:

It is, I believe, a well established physiological principal that those plants propagated by means of seed, vary much more than those propagated from cuttings, and that selection plays a much greater part, in the former, in keeping the variety fixed, etc.

However, I believe it is also recognized that selection should play an important part in keeping varieties up to a fixed standard, and even in improving the standard where plants are propagated exclusively from cuttings. This would appear to be true with the potato, for instance.

It has been the custom of many nurserymen to cut propagating wood from the nursery row. The trees in the nursery being well cultivated, manured, etc., grow very rapidly, and also very late in the season. Because of their rapid and late growth, and the fact that the soil is not always given all the elements of fertility that are necessary to fully mature the wood, the scions from such trees would not be as well matured as scions taken under the best conditions from bearing trees. I have known in some cases where scions were cut continuously from the nursery row for a period of perhaps 25 years.

Will those who are informed and interested be so kind as to state their opinion on the following:

1st. Whether scions taken from the nursery row, as suggested above, would have a tendency to cause the trees grown from them to come into bearing later, or in any way affect their general fruitfulness?

2d. Would cuttings from apple trees, for instance, that came into bearing their 7th year and continued to bear annually thereafter, be more likely to produce trees that would bear well, than trees grown from scions taken from the nursery row, as mentioned above, or from trees that had reached their 20th year without bearing good crops?

3d. Would it be desirable for a fruit grower to cut scions from his apple trees and propagate trees from them for his own planting, or have a responsible nurseryman to propagate them for him?

4th. Would it be important for nurserymen to grow and care for a scion orchard in the most approved manner, so that it will bear annually and well, mainly as a source of propagating wood?

If nurserymen can find time to give me an opinion on the above I assure you it will be appreciated greatly.

Atlantic States

J. P.

The NATIONAL NURSERYMAN:

Please find enclosed check for \$1.00 for subscription to your paper which we appreciate very much.

Yours truly,

Ohio.

ARCHIE MERRIMAN

## Quiz Column

### ORCHARDING IN EASTERN NEW YORK

I should like to know especially as regards Eastern New York, as follows:

1st. At what age, or about what age, do fruit trees there begin bearing?

2d. At what age, or about what age, can they be expected to begin bearing paying crops?

3d. What is the profitable, productive lifetime of an orchard?

4th. What proportion of "off years" are there as compared with good bearing years?

5th. What number of trees are best planted to the acre there without crowding?

6th. I am somewhat conversant with the labor problem in the east. I have thought that, in the event of going into orcharding near New York city—by going to the Italian Consul and Italian priests in the city I might be able to get hold of a desirable class of Italians to work for me—or is their skill in fruit matters confined to the push-cart end of the business? Is this idea practicable in your judgment?

7th. What class, kind or type of lands should I look at as being especially suitable for fruit growing?

So far as you can without inconvenience, answer foregoing inquiries—I wish greatly that you would. I shall be under very great obligations to you for doing so.

E. H. R.

### ANSWER

1. Winter apples bear at seven to nine years of age in Eastern New York. Summer apples of the type of Duchess and Yellow Transparent may bear at four or five years of age, and even give specimens before that time.

2. All winter varieties of apples under modern systems of management should give paying crops at or prior to ten years of age.

3. Throughout apple growing New York, apple trees should not reach their maximum period of productivity before half a century, and should continue in bearing at least one hundred years. This all presupposes rational methods of orchard management.

4. Off or barren years caused by climatic vagaries in apple growing are rather unusual in New York. I should say that they do not occur oftener than once in five or six years. They do occur however oftener than that due to faulty management.

5. I would plant my permanent trees forty to forty-five feet apart and interplant with fillers till the rows are half this distance apart.

6. I should think that your method of dealing with the labor problem was a reasonably promising one to try.

7. Do not choose valley lands or especially rich soil for your orchard. Select elevated, airy, well-drained land which will not wash too much, and thus your task of producing the highest quality of fruit will be very much aided.

EDITOR



## Business Activities

A new concrete root cellar and packing house with all modern conveniences has just been finished 50 by 150 feet at Fredonia, N. Y., built by the T. S. Hubbard Company. This additional room was much needed and now places them in good position to care for their large stock of vines and the prompt handling of orders.

Jos. Hackethal recently purchased the south half of the Harrison nursery property, north of the city of York, Neb.

Wm. A. Peterson, Chicago, has made many automobile trips this summer to visit the nurseries in Indiana, Michigan, Wisconsin and even as far as Mayfield, Minn. He says the general state of business with the nurseries of the middle west never was better.

Mr. Dean Alvord of Port Jefferson, Long Island is entering the nursery business. He will appreciate hearing from his brother nurserymen who have been longer in the business.

Mr. John L. Foster is now living in the town of Denton, Texas. He has purchased a piece of land suited to growing nursery stock and has started in the business. His new address is R. F. D. No. 4, Denton, Texas, instead of East Side avenue as heretofore.

Geo. W. Sutherland, Athol, Mass., has completed a large brick chimney, 60 ft. high in connection with his new steam plant for heating his greenhouses. A number of enlargements and improvements have recently been made by Mr. Sutherland, and give him one of the most complete nursery establishments in this section.

The Stark Nursery Co., Louisiana, Mo., has commenced work on an addition to its wholesale packing house. It will be 210 x 270 ft. The company will also build another addition to the office building.

Incorporation of the Hyde Park Nursery Co., Muskogee, Okla., is announced with a capital of \$25,000; incorporators, Clayton S. Stoner, Wm. D. Ford and Wm. S. Harsha.

The Hanford Nursery of Clarkston, Wash. say—"We are constant readers of your valuable paper, in fact can't get along without it.

A certificate of dissolution has been filed by the Sneed Nursery and Orchard Co., of Tyler, Tex.

A new nursery company is soon to be incorporated to do a general nursery business in Billings, Mont. W. H. Ralston, for many years salesman for the Jewell Nursery Co., and M. I. Tuttle of Fort Morgan, Colo., will be active in the new concern. A 40-acre tract west of the city has been purchased and the lumber for a number of the buildings is already on the ground. Berry plants in variety will be a specialty of the new firm.

Mr. H. L. Stanley who is in business with his father, W. W. Stanley, at Campbell, Mo., visited Rochester, August 18-20, and called at the office of the NATIONAL NURSERYMAN. He made calls at all of the large nurseries in this city and left for New York returning home from there. Mr. Stanley is of the straightforward manly type found so often among nurserymen.

Beginning Monday, August 16 and ending Tuesday, August 31, Messrs. Protheroe and Morris, London, Eng. held great trade sales of Dutch bulbs.

Port Arthur, Tex., has every chance of securing a large nursery. C. H. Crawford, a prominent nurseryman of Minnesota has submitted the authorities a proposition.

With Alfred T. Osterman as president, and Louis A. Soldan as manager and treasurer, a company to be known as the New Haven Nurseries has been formed at New Haven, Conn., the intention being to grow and sell hardy nursery stock and to do a general landscape gardening business. The address of the firm is 123 Church St.

As an experiment the Florida East Coast Railway Company has had more than ten thousand of Eucalyptus trees propagated by William Fremd, head gardener of the Royal Poinciana grounds, and of Mr. Flagler's Winter home, White hall. These trees will be established somewhere in Palm Beach county as an experimental forest.

Mr. L. A. Berckmans, Augusta, Ga., left August 8, for three weeks' trip to Maine and other points of interest in the East. He reports that in Georgia they have had excellent growing weather and that their nursery stock is in fair shape.

A. Willis of the Willis Nurseries, Ottawa, Kas., called at the office of the NATIONAL NURSERYMAN early on August 19. Eastern business men do not apparently start work early enough in the morning to catch the early westerner. Try again Mr. Willis, and we'll be ready for you.

The seedlings which were set out this spring at the Muskrat nursery near Boulder, Montana, on the Helena national forest, are doing finely, according to reports by Forest Supervisor Dwight Bushnell.

The good will, corporation name, stock and all pertaining to the mail order business of Heller Bros., Newcastle, Ind., has been taken over by purchase by Dingee and Conard, West Chester, Pa. The business will continue to be carried on under the name of Heller Bros. The cut flower business still remains in Newcastle.

The Wooster Nursery Co. of Wooster, Mass., has leased the building now occupied by the Wooster Brush Works, and will occupy the building in a short time. The Nursery Co., in addition, is about to double its capital stock and incorporate at \$20,000, which will greatly facilitate its ability to do a much larger business.

The eleventh annual convention of the American Association of Park Superintendents was held at Seattle, Wash., August 9-11, and is reported to have been the most successful yet. Few eastern men were in attendance but western Park Superintendents turned out in large numbers.

The New England Dahlia Society will hold its second exhibition at Horticultural Hall, Boston, Mass., September 10, 11 and 12. For particulars address Maurice Field, 5 Union St., Boston, Mass.

Our stock has grown beautifully this summer, favored with abundant rains just when most needed. The prospect for fall trade is very encouraging.

Detroit, Mich.

E. FERRAND & Co.



## AMERICAN FLORISTS' CONVENTION.

The Silver Jubilee Convention of the Society of American Florists' was held in Cincinnati, Ohio, August 17-20. The election of officers for 1910 resulted in F. R. Pierson, Tarryton, N. Y., President; Fred W. Viek, Rochester, N. Y. Vice-President; H. B. Dorner, Urbana, Ill., Secretary; H. B. Beatty, Oil City, Pa., Treasurer.

The routine work was first gotten out of the way, then followed the president's address and reception. The session of Thursday night was designated as the anniversary meeting. The first meeting of the society was held in Cincinnati, August, 1884.

Rochester, N. Y., has been chosen as the meeting place for 1910. The judges of the Trade Exhibition, among others, made an award of a certificate of merit to Henry A. Dreer of Philadelphia for *Nephrolepis Scholzeti*. Mr. Dreer had one of the largest displays he has yet made, occupying 600 square feet of space. *Nephrolepis Scholzeti* had the place of honor in the exhibit.

Julius Roehrs Co., Rutherford, N. J., had an entire earload of stock, including thirty varieties of evergreens in tubs, bay trees, boxwood, some large plants of *Phoenix Canariensis* and *Phoenix Roebelenii*, and many other plants.

Bobbink and Atkins, Rutherford, N. J., the well known nurserymen had one of the largest displays in the hall. They shipped a solid earload of plants, valued at more than \$1,500. In the exhibit were 100 different varieties of evergreens in tubs. There were some large ivies in tubs, trained to cover balloon trellises. The kentias ranged up to large sizes. There were some large bay trees and *Phoenix Canariensis*, with *araucarias*, *ficus* and many other plants.

Jackson & Perkins Co., Newark, N. Y., had a table of field-grown roses, tree hydrangeas, lilacs, Clematis and phlox. C. H. Perkins was in charge.

Storrs & Harrison Co., Painesville O., had a table of field-grown roses for forcing, *araucarias*, kentias, primulas, asparagus and genistas for growing on, adiantums and small ferns.

The J. Horace McFarland Co., Harrisburg, Pa., made an attractive display of autochromes, the French system of color photography, also printed matter turned out in connection with the McFarland Publicity Service.

The Foley Mfg. Co., Chicago, put up a 10-foot section, full size, of a house twenty feet wide. The construction embodied all the features of the firm's method of construction, including the Foley ventilating apparatus.

A complete account of the entire convention is contained in the *Florists' Review* for August 19. From this account one may gain an idea of the work accomplished by the association in the past and of the work outlined for the future.

A. E. Frost of Chicago has located in Adell, Wis., with the purpose of conducting a nursery business.

## PURE CATALPA SPECIOSA

Editor NATIONAL NURSERYMAN:

We have been intending to take up with you for some time, facts regarding pure *Speciosa Catalpa*. This is to the interest of the nurserymen, planters and the country in general. We have

found by much experience in this line that it is impossible to procure the genuine seed from any of the seed houses, altho they claim to sell the pure *Speciosa*. They usually furnish hybridized seed, which are as worthless for good groves as the *bignonioides* or *koempferi*. Many nurserymen are procuring seed and putting on the market what they believe to be pure *Speciosa Catalpa*, and altho their intentions are alright, their ignorance is working a hardship on forestry planting, which will act as a boomerang to the nursery business and in time greatly injure, if not entirely kill the forestry movement.

The majority of the nurserymen over the country would no doubt purchase only the genuine *Catalpa* seedlings for their trade, if they knew where to procure them. There are a number of firms in the United States at this time that are well enough acquainted with the seed that they can readily tell them, but the majority of the nurserymen, from lack of experience or from being new in the business, are ignorant of these facts.

We should appreciate if as a national paper, you would look into this matter and do your best to help correct it.

Many people are fooled by trying to buy pure *Speciosa* seedlings below the cost of production, for as *Speciosa* seed do not germinate as well as the common, the seed cost about four times as much; hence there is more profit in furnishing the common *Catalpa* seed, which to some nurserymen would look the same as *Speciosa*.

Note in our booklet, copy of letter from the U. S. Dendrologist and we trust you will note the agricultural department realizes the damage being done in this line and are anxious to help correct it.

We are mailing you under separate cover our new booklet on Winfield Trees of Quality, which we believe testifies better than anything of the progress of our business. We were recently told by one of the largest nurserymen in the country when he visited us, that our plant showed the most progressive and up to date system of anything he had yet seen.

Very truly yours,

THE WINFIELD NURSERY CO.

## THE BENEFIT TO BE DERIVED FROM FLOWERS

By the Late T. C. THURLOW

This is apparent in all civilized communities, and the higher the state of civilization the more flowers are appreciated. There is no doubt that people are made better and happier through their influence. In this country there are about six thousand commercial florists, besides hundreds of private individuals who have green-houses and conservatories connected with their own places.

If you would have children love their homes and grow up to be good and virtuous, give them a little garden of their own where they can plant the seeds, watch the development, and dispose of the product in their own way. If they live in the country, teach them to ramble through the fields and woods for the first wild flowers; teach them enough of botany so that they can tell the common trees and shrubs by their correct names and you have laid the foundation for their future health and happiness.

Many a woman has been cheered and encouraged by her few pet flowers in the house; or better still, if she has a garden, be it ever so small, where she can breathe the pure air and feel the warm sunshine, will be so strengthened and refreshed by the few minutes in her garden that she will take up the burden of life again with renewed courage and determination. There come no wry faces and cross words from the flowers, but only smiles and encouragements. It sometimes appears as though the wild roses by the roadside turned their faces toward one as he passes along.

The business man, returning from his office or his store, harassed and perplexed by daily work, or the rise and fall of stocks, is soothed and comforted by spending a few minutes in his garden; or, if he will "rise with the voice of the bird" and breathe the pure, fresh air of morning, will be strengthened for his day's work with kind Nature's stimulant.

The writer of this has long passed the allotted age of man. He was for many years in early life a confirmed invalid, and in later years, when seriously ill, has revived and recovered, largely through the influence of his flowers and his pleasant business. He has been a nurseryman nearly all his life, engaged in raising fruits and flowers, and has sent them broadcast all over the land. If people have been made happier and better by these fruits and flowers, he feels that he has not lived wholly in vain. He fully believes with Dr. Edward Everett Hale that "nothing is so conducive to a long and happy life as to keep in close touch with nature."



## Condensed News

The Wood River Nursery Co., Wood River, Neb., has increased its capital stock to \$100,000. The company is contemplating expansion.

J. F. Rosenfield of West Point, Neb., has purchased 25 acres of land on West Dodge St., Omaha, and will conduct a peony farm.

Mr. Chas. Stewart formerly of Dean Nurseries, Bournemouth, England, has removed his clerical department to the nurseries, Westmoors, Dorset.

Getting business is a good deal like courting a girl—you must offer the right kind of goods and keep on calling.

An organization to be known as the Willis Nursery Co., has taken over the business formerly under the name of the Willis Nurseries. The same management as that of the old firm will be in charge of the new. They write that they will be known to the nursery trade as A. Willis & Co. The business has now been organized as a stock company with a paid up capital sufficient to go forward and do a larger business than has heretofore been done.

Wm. J. Jeffrey, Bellmore, Long Island, nurseryman, was seriously ill all last winter and is just now recovering his usual health and spirits.

The Grape Products Co. of North East, N. Y. (near Fredonia), has heralded the fact that it will enter the field this fall not only as a heavy buyer for manufacturing purposes but also as middleman in the shipping situation. The concern is capitalized at \$500,000.00 and states that it will stand ready at all times to handle all and every grape offered at market prices.

Opportunity's office is on the top floor, and the elevator isn't running. You'll have to walk.

There is now on in Plainfield, N. J. an interesting fight for the possession of a nursery. James Conroy has held the nursery in question for four years agreeing to pay for it in installments when he purchased it from its former owner Charles Berg, of East Orange. The court of chancery has upheld Conroy in his contention. The property originally belonged to Conroy's father, who was unable to hold it, and the place was sold under foreclosure four years ago. It was bought by Berg for the sum of \$18,000. At this time, James Conroy went to New York state to work in a nursery for a time, but soon returned and offered to buy back the nursery on \$1,000 installments. It was further agreed that he was to take charge of the business and receive \$75 per month from the owner for doing so. Recently Berg began suit for possession but the court has upheld Conroy.

The short cut to success is hard work. A pleasant road, too, when you once get acquainted with it.

The duty on rose cuttings has been cut to 2½ cents under the provision for "rose plants." This is the result of the action taken by the board of United States appraisers on July 19.

J. W. Tetirick & Son report an abundance of rain in their section of the country, Blackwell, Oklahoma, and that prospects were never better for fall and spring trade. The senior member of the firm is way off in the Northwest on his summer vacation and doing his best to tame mountain trout.

Secretary Benjamin Hammond has issued a preliminary list of classes and prizes for the annual exhibition of the Rose Society. The list is very similar to that of other years.

Because of the great demand for orange trees in California, the Rosedale Nurseries at Orangehurst, Tulare county, have planted 1,000,000 orange seeds. They are also raising 500,000 grape vines for next season's demand.

A nursery lath house holding about 300,000 trees has been recently erected in Covina, Cal. The building is only eight feet high and of course has an extremely odd appearance. At the present time there are 300,000 young orange trees and several thousand shade trees of choice varieties, planted in the nurseries.

Since the establishing of their business the Armstrong nurseries of Ontario, have not had such a year for the mail order business. Orders have passed all previous limits. Mr. Armstrong has been making a tour of the Northwest to see the Seattle Exposition and to learn the trade conditions.

Robt. T. Pinkerton of Montreal, Canada, stopped at the office of the NATIONAL NURSERYMAN while on his way to Geneva to visit the prominent nurseries there. It was his intention to see the well known firms at Newark, Rochester, Geneva and Fredonia. Mr. Pinkerton is one of the younger set of nurserymen in Canada and is rapidly establishing a high class trade. His ideas are progressive and his methods are thoroughly business-like.

Mr. Lewis Roesch made a short call at the NURSERYMAN office during the past month. He was in Rochester on business and only had time for a short stop.

R. R. Harris, Harrisville, W. Va., writes that he has established a nursery near Nashville, Tenn., and expects to grow there nursery stock for the wholesale trade exclusively. The location is in what is known as the highland rim of north central Tennessee and the soil is of the same formation and texture as that found at Winchester. It is ideal soil for a nursery.

H. G. Kennedy, state inspector for the Salem district, Massachusetts, states that there were more brown-tail moth nests this year than last but that they have been cleaned in good shape. According to him, the large cities are caused great expense by the failure of the small towns and outlying districts to wage war against the gypsy and brown-tails.

Mr. Jacob Dietrich, the popular nurseryman of Los Angeles, Cal., also known far and wide as the Mayor of Montebello, is erecting a large greenhouse on his propagating grounds for the special purpose of growing roses and carnations for the cut-flower trade.

Seeds of ornamental trees cannot be regarded as being "flower or grass seeds," according to a recent decision of the board of appraisers. The point was raised by J. Dietrich, who imported the seed for use on his estate at Los Angeles, Calif. They were assessed at 30 per cent as "seeds of all kinds not specially provided for" and Judge Waite upheld the classification of the collector.

Robt. Armstrong, landscape gardener, who for more than two years has been superintendent on the Arthur Letts place in Hollywood, Cal., has heeded the call of "The Wild" and gone to Nevada, where fabulous fortunes have been made and are still being made in gold mines.

A. W. Ross of Pasadena, Cal., the veteran nurseryman, is now blooming out in the millionaire class because of his investments in the same mining section of that State most wonderful in very many ways.

James Backhouse & Son, well known English seedsmen and nurserymen, are offering a new colchicum this season, C. speciosum album, said to be of "surpassing beauty from its great size and purity of color."

The gypsy moth pest is so bad in parts of Massachusetts that in one place 25 acres of fine oak woods had to be burned in order to prevent the pest spreading any further.

## FOR SALE

An up-to-date nursery and business 1½ miles from one of the best cities in northern Oklahoma. Concrete Storage and Office, Water system and other equipments. Fifty miles from competition. Splendid opening for Greenhouse. Plenty Natural Gas. No indebtedness. Best of soil. Best of reasons for selling. \$6000 will make a starter. Will either sell or lease land. For further particulars,

Address T. and S., Care National Nurseryman.

## PEONIES

100,000 Large Plants, in the best varieties to offer at very reduced prices for Fall 1909. Write for Trade-List.

DESSERT, Peony Specialist

Chenonceaux, France



**WESTERN HOME NURSERY INCORPORATED**

Early in August a corporation capitalized at \$50,000 was organized at Weatherford, Texas, and is to be known as the Western Home Nursery. The expectations of the promoters have been more than realized in the facility with which the work has been handled, and it is announced that very nearly all details have now been completed and that stock is being issued to the stockholders.

This firm has been known for many years as J. W. Tackett & Sons, but has been chartered with an authorized capital stock of \$50,000.00 under the name of Western Home Nursery Co.

The incorporators are L. J. Tackett, I. E. Tackett, E. M. Tackett J. W. Tackett and V. A. Garrison. The first set of officers selected is composed of L. J. Tackett, president; I. E. Tackett, vice-president; V. A. Garrison, secretary and treasurer.

The purpose of the new corporation is to conduct a general nursery business, for the growth and sale of fruit and shade trees, trees, shrubbery, flowers and bulbs, seeds and cut flowers. It is also the purpose of the company to erect commodious greenhouses for the purpose of growing all kinds of tropical plants and flowers.

The new corporation has taken over the land, stock and improvements of the original Western Home Nursery, and the business will be conducted from the same place, an office being maintained in Weatherford.

There is not a more promising field anywhere, for a business of this kind, than the great west and northwest, a territory which is already practically covered by the original company.

To the president of the new corporation, Mr. L. J. Tackett, is due the credit for the promotion and successful organization of the company. Mr. Tackett is a young man of splendid business ability, of untiring energy and live, progressive ideas.

**INTERNATIONAL APPLE SHIPPERS**

The annual convention of the International Apple Shippers' Association was held in Buffalo, N. Y., August 5-7, at the hotel Iroquois. Much of the time was taken up with routine business and the program. The election of officers resulted in the choice of William Wagner as president for the following year.

The other officers chosen were: John B. Frey, Rochester, vice-president; W. M. French, New York, treasurer; C. P. Rothwell, West Martinsburg, Va., secretary.

The Executive committee is composed of the following; C. H. Weaver, Chicago, chairman; A. Warren Patch, Boston; A. E. W. Peterson, Toronto; Samuel Lux, Topeka; R. J. Phillips, Rochester.

Niagara Falls was selected as the next meeting place, in August, 1910.

The report of the secretary on the condition of the apple crop in the United States and Canada, including Nova Scotia, as compared with the conditions last year, is given in the following percentages: New England, quality poor to good; Main, 165; New Hampshire, 95; Vermont, 100; Massachusetts, 135; Connecticut, 125; Rhode Island, 100.

Central group: Quality poor to good. New York, 90; Pennsylvania, 85; New Jersey, 40; Delaware, 70; Ohio, 80; Michigan, 180; Wisconsin, 150.

Middle West, which includes the Ben Davis group: Poor to good. Indiana, 125; Illinois, 160; Missouri, 125; Kansas, 60; Oklahoma and Indian Territory, 25; Arkansas, 500; Iowa, 200; Nebraska, 150.

Southern group: Poor to good. West Virginia, 175; Virginia, 125; Maryland, 200; Kentucky, 200; Tennessee, 125.

Pacific group: All good. Colorado, 300; Idaho, 35; Utah, 100; Montana, 100; California, 180; Oregon, 110; Washington, 70; New Mexico, 30.

Canada, not including Nova Scotia, 175. The summary of the report shows that the New England group has a crop this year 20 per cent in excess of last. The central group crop is a little below last year about 7½ per cent.

**CARBOLINEUM**

Indorsed by U. S. Department of Agriculture

ITS USES IN THE NURSERY ARE MANY

Preserves Wood and Protects FRUIT and SHADE TREES

COMPLETE DETAILS IN OUR BULLETIN 26—MAILED FREE

**CARBOLINEUM WOOD PRESERVING CO.**

341 West Broadway, New York

**AMERICAN HYDRANGEA**

1 and 2-year, strong  
Sugar Maple, transplanted. Peonies in all best sorts. Anchusa Dropmore.  
Funkia Alba. German Iris, 20 best sorts. Hemerocallis 5 fine varieties.  
50,000 Lilies. Phlox, named. Gladiol, 100 named var. Tritoma Pfitzeri,  
Dahlias, Oxalis, Etc.

**THE E. Y. TEAS COMPANY, Centerville, Ind.**

**California Privet Fruit and Shade Trees  
Evergreens**

**SAMUEL C. DE COU**

Moorestown, Burlington County, N. J.

**PEONIES, IRIS**

**FOR SEPTEMBER PLANTING**

Other Nursery Stock in Season

**WILD BROS. NURSERY CO., Sarcxie, Mo. Estab. 1875**

**PEACH SEED**

In connection with our business we are handling a few consignments of Natural Peach Pits. Write us for prices and samples.

**SOUTHERN CARRIAGE & SEED CO.**

8 and 10 W. Barre St.

Baltimore, Md.

**PEAR TREES** **GOOD STOCK OF 2 YEAR**  
**STANDARD PEARS**

Bartlett, Clapps, Flemish, Duchess, Kieffer, Seckle, Worden  
Seckle, &c. Also Bartlett and Duchess Dwarf

Write for prices, stating quantity and caliper required.

**G. S. PICKETT & SON, Clyde, Ohio**

**CATALPA SPECIOSA Seedlings**

LARGE OR SMALL LOTS

**BLACK LOCUST SEEDLINGS**

Please let me know your wants

**J. A. GAGE, Fairbury, Nebr.**

**CALIFORNIA PEACH PITS**

It is a well known fact that California peach pits produce fine, healthy seedlings. We are prepared to offer special inducements on pits in carload lots, and less if desired.

WRITE FOR SAMPLE

**Address, FANCHER CREEK NURSERIES**

**GEO. C. ROEDING, President and Manager**

Box 1310. Fresno, California



## Catalogues Received

Stumpp & Walter Co., 50 Barclay St., New York. Wholesale price list of high grade imported and American grown bulbs and florists' flower seeds.

Wild Bros. Nursery Co. The Sarcoxie Nursery, Sarcoxie, Mo. Trade prices of buds and Peonies.

H. den Ouden & Son, "The Old Farm Nursery," Boskoop Holland. Wholesale trade list of nursery stock.

Barber-Fink Co., Inc., Maccleny, Fla. Wholesale Price List for 1909. High grade trees and shrubs.

McFarland Publicity Service, Harrisburg, Pa. Orders, a small periodical issued occasionally, its purpose to show the printers' and sales manager's influence in procuring business. Described elsewhere.

E. Y. Teas Company, Centerville, Ind. A pamphlet entitled "American 'Everblooming' Hydrangea."

Winfield Nursery Co., Winfield, Kas. A booklet giving history, methods and standard of this well known nursery.

Cherry Hill Nurseries, T. C. Thurlow & Co., props., West Newbury, Mass. Preliminary Announcement. Wholesale price list of peonies and German iris for autumn 1909. Also select list of peonies, iris and phlox.

American Association of Entomologists. Common and classical names of insects.

Yokohama Nursery Co., Ltd., 31 Barclay St., New York. 1909-1910 catalogues of Japanese lily bulbs, nursery stocks and seed; for the wholesale trade only.

Leggett & Bro. Mfg., New York. Leggetts' Spray Calendar.

Schaum & Van Tol, Boskoop, Holland, 1909-1910. Wholesale trade list of nursery stock, distributed in America by their sole agents McHutchison & Co., New York, 17 Murray St.

"Alma" Nursery, H. W. Van der Bow & Co., Oudenbosh, Holland. Wholesale growers and exporters. Trade catalogue of forest and ornamental trees and seedlings, flowering trees, shrubs, etc. Sole American agent, J. Meerkamp Vam Embden, Mount Vernon, N. Y.

Mount Arbor Nurseries, E. S. Welch, Proprietor, Shenandoah, Iowa, Wholesale Trade list of general nursery stock.

J. E. Wing & Brothers Seed Company, Mechanicsburg, Ohio, Alfalfa and How to Grow it; illustrated.

Vick & Hill Co., P. O. Box 613, Rochester, N. Y., High grade aster seed special 1909.

### NATIONAL APPLE SHOW BULLETIN

Editor NATIONAL NURSERYMAN

We are sending under separate cover the first number of the National Apple Show Bulletin for this year and we respectfully ask you to look over our prize list and rules.

You are, of course, familiar with the scope of the National Apple Show which has for its prime purpose the arousing of interest in the production of first class commercial apples and showing the east the possibilities of the western soil. Last year we received much encouragement from various members of your society and we have you to thank for the kindly interest you took. We will appreciate any good words you can say for the show this year and especially any encouragement you can give the growers of your section to send their choice specimens to this show.

We have made our premium list very broad as we wish to encourage growers in every class, from the carload to the single plate. As you will note there are prizes for district displays, state displays, box, barrels, baskets, jars and plates, arranged in many forms.

Any further information will be gladly furnished and we will appreciate from you any suggestions toward the betterment of our exhibition. Hoping we will have your co-operation, we remain

Yours very truly,

NATIONAL APPLE SHOW, inc.,

Per REN. H. RICE, sec.

Will you let 300 Experts help you to increase your profits?—L. H. BAILEY'S Monumental CYCLOPEDIA OF AMERICAN AGRICULTURE is the great authority on every subject of interest to nurserymen. Write for booklet and easy terms to MACMILLAN COMPANY, 64-66 Fifth Ave., New York.

**THE PHOENIX NURSERY CO.,** ESTABLISHED 57 YEARS  
BLOOMINGTON, ILLINOIS  
WE GROW A COMPLETE ASSORTMENT OF STOCK IN BOTH FRUIT AND ORNAMENTAL DEPARTMENTS. SEND YOUR LIST OF WANTS FOR PRICES FOR FALL SHIPMENT. FALL TRADE LIST NOW READY.

**The Perfection Currant.** C. M. HOOKER & SONS, Rochester, N.Y.,  
Originators and Introducers. We have a splendid lot of 2 year old plants to offer. This currant is now acknowledged on all sides to be the largest, most productive, and best red currant on the market. It is rapidly superseding all other varieties in the popular favor wherever planted. Write for prices.

## FOR SALE AT A BARGAIN!

**MUST BE SOLD AT ONCE** account of ill health. Nurseries, cellars and packing grounds, frost proof, office and horse barn. Leading from one of the principal paved streets of Geneva, N. Y. One-half mile from New York Central Depot. This plant is considered **ONE OF THE BEST NURSERY PLANTS IN WESTERN NEW YORK.** Please call and investigate.

Lock Box 185, Geneva, N. Y.

For Sale or Trade a **Feigly Tree Digger**—new—only used one-half day. Would exchange for **Bragg Tree Digger** or similar make and pay difference.

**BEAUDRY NURSERY CO.,**  
1747 Railway Exchange, - CHICAGO, ILL.

## WANTED--Clematis Coccinea

State lowest price per 10,000, sending sample to the

**ROYAL TOTTENHAM NURSERIES, Ltd.**

Deedemsvaart, Holland

## WANTED

**A THOROUGHLY EXPERIENCED NURSERYMAN**

One who understands bench and field grafting and budding and is capable of taking charge of the field work, if necessary, in one of the best California Nurseries.

Must be sober and industrious.

State age, experience, nationality and wages wanted.

All replies strictly confidential.

Address, "RESPONSIBLE"

Care NATIONAL NURSERYMAN, Rochester, N. Y.

## Wanted --- Manager OF SALES DEPARTMENT OF NURSERY

One who understands advertising and management of Salesmen, and can furnish \$5,000 either on a salary or commission basis.  
REFERENCES REQUIRED AND GIVEN

S.--Care NATIONAL NURSERYMAN



## L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolus, Cannas and Dahlias  
Nurserymen Should Try My Simplex Tree Baler  
IT DOES THE WORK. PRICE \$16.00.  
Special 20,000 California Privet.

North Carolina

Natural

# PEACH



# SEED

Write for sample  
and special prices.

Clark Nursery Co.  
Rochester, N. Y.

"You Get What You Order."

# PEONIES

ONLY BY THE WHOLESALE

Let me send you my list of OVER ONE HUNDRED Best Varieties.  
J. F. ROSENFELD, WEST POINT, NEBR.

# PAEONIES

15 ACRES SOLID PÆONIES

OUR SIXTEENTH YEAR

Prices Right. Send for List TODAY

Respectfully Yours,

## GILBERT H. WILD

SARCOXIE, MO.

## CAL. PRIVET AND BERBERIS THUNBERGII--Specialties

WRITE FOR LIST

MARTIN H. MUSSER, Grower

38 Cottage Ave., - - - LANCASTER, PENN.

# Budded Pecan Trees

Japan Persimmon, Japan Walnut,  
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

## THE GRIFFING BROS. CO.,

JACKSONVILLE, FLA.

# PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED, crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,  
4th Ave. & Clinton St., BALTIMORE, MD.

When writing to Advertisers mention The National Nurseryman.

# POTASH

To produce good  
Nursery Stock

give it a good, strong, and early start, by using a fertilizer which has Potash. It promotes a strong growth and produces a vigorous tree and healthy constitution.

## Potash Pays

Every nurseryman should have our Valuable Books on Fertilizing. Ask for them—sent free on request.

GERMAN KALI WORKS, 93 Nassau St., New York

ATLANTA: Candler Building

CHICAGO: Monadnock Block



## ROSES Sold except Mosses, Masson, Charta, Diesbach, Perkins, Niel.

New crops coming along finely.  
Send your want list early.

THE LEEDLE FLORAL COMPANY®  
SPRINGFIELD-OHIO.

## For Fall 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

## Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

## R. C. PETERS & SONS

IRONSHIRE, MARYLAND

(Successors to)

## Wm. M. Peters' Sons, Snow Hill, Md.

Bell Telephone connections in office.

Telegraph Office, Berlin, Md.

## Offer for FALL 1909

Peach Trees of all the leading varieties,  
California Privet and Grape Vines

Send in your list of wants for Special Prices.

When writing to Advertisers mention The National Nurseryman.



## PEACH SEED

Now is the time to contract for your supply of Peach Seed. We are the largest dealers in the South.

We can ship 1908 Crop at once, and 1909 Crop between now and November 1st.

The crop in this section is light, and we can only contract for a limited quantity, so let us have your orders at once.

HAVE 3,000 BUSHELS 1908 CROP

Terms are Sight Draft, Bill of Lading Attached.

**Morrison Produce & Provision Co.**

STATESVILLE, NORTH CAROLINA

We can supply in any size or length and in car loads or any quantity

## PECKY CYPRESS

The Ideal Lumber for Greenhouse Benches

**MOST LASTING      LEAST EXPENSIVE**

When ordering your other building material it is wise to add enough Pecky Cypress to make the shipment a car lot and so take advantage of lower car load freight rates.

Write to us for prices

**THE FOLEY LUMBER CO.**

26th and Artesian Ave., CHICAGO

## Forest Tree Seeds and Seedlings

**WE ARE GROWING FOR SEASON 1909-10  
MILLIONS OF FOREST SEEDLINGS**

Especially Soft Maple, Box Elder, Catalpa, Black Locust, Red Bud, Sweet Gum, Black Gum, Elm, Persimmon, Ash, Poplars, Sycamores, Walnut, Etc.

**IN SHRUBS WE HAVE A LARGE STOCK**

Calycanthus, Altheas, Spireas, etc. 50,000 Extra Fine Transplanted Hamamelis Virginica, Witch Hazel; 500,000 Althea Seedlings Grafting Stocks, California Privet, etc.

**WE MAKE A SPECIALTY OF**

California Privet Cuttings, Carolina Poplar, Spirea, etc.  
SEND FOR TRADE LIST

We collect large quantities Tree and Shrub Seeds and Seedlings, and would appreciate offers on good fresh Tree and Shrub Seed for Fall Delivery.

**Forest Nursery & Seed Co.**

McMINNVILLE, TENN.

## FOR SALE

**50,000,000 Strawberry Plants**

**ORDER NOW FOR FALL**

I want every grower to investigate my new "Tennessee Favorite,"—The very best berry grown for the market,—size color, flavor and shipping qualities considered. Even in size throughout season. I picked and sold from one acre 4,456 quarts at a net profit of 11 cents a quart making a total profit of \$491.16 in the Spring of 1908. For the season of 1909 I shipped 194 crates per acre, which net \$2.52 per crate. To vouch for the truth of this statement, I refer anyone to M Fugazzi & Co., Cincinnati, Ohio, who handled these shipments.

In my thirty years' experience I have found nothing quite its equal. Does best in low, strong land. Try them. Other varieties, Aromas, Klondyke, Lady Thompson, Excelsior.

**A. HORN, R. F. D. 3, Soddy, Tenn.**

## A RECORD FOR OUR FRENCH CRAB SEED



A Washington nurseryman tells us that he obtained 100,000 seedlings from one bushel of our French Crab Seed. The same scrutiny with which we test the germinating qualities of French Crab is followed in all our seeds.—Kieffer Pear, Quince, Mahaleb Cherry etc.—All are obtained from the best known localities and by experienced collectors. If you want the best in the market we would like to serve you, but write at once as our collections are always limited.

**T. MEEHAN & SONS**

Box X, Dresher, Pa.

## JAPANESE BAMBOO POLES

Just Received our shipment of these poles, limited quantities and subject to stock being unsold upon receipt of order

12 FEET LONG AT \$25.00 per 1000	16 FEET LONG AT \$45.00 per 1000
14 " " " \$32.50 per 1000	18 " " " \$60.00 per 1000
20 FEET LONG AT \$75.00 per 1000	

**STUMPP & WALTER CO., 50 Barclay Street, NEW YORK, N. Y.**





Everything in  
**Small Fruit Plants.**

Ask for price list.

W. N. SCARFF, New Carlisle, O.

## FAIRFIELD NURSERIES

FRUIT AND SEED FARMS

*OFFER for Fall 1909 and Spring 1910*

**GRAPE VINES**—One and two years old. Varieties largely Moore's Early, Concord and Niagara.

Also Scarlet or Crimson Clover Seed and Cow Peas. Free from weed seeds, all cleaned and guaranteed first class.

Correspondence solicited. Price list upon request.

**CHAS. M. PETERS**

P. O. Address, Salisbury, Wicomico County, Md., R. F. C. 3

Long Distance Phone and Telegraph, Salisbury, Md.

## We are Prepared to Handle Your Orders

for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

**SPECIAL**—We have 1000 bu. of Red and Burr Oak Acorns, on which we can make special low price.

**SEED DEPT.**  
**DUNDEE NURSERIES**

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DUNDEE, ILLINOIS

## F. E. SCHIFFERLI

FREDONIA, N. Y.

Successor to WHEELLOCK & CLARK

AT IT SEVENTEEN YEARS

For Fall 1909 and SPRING 1910

GRAPE VINES AND CURRANT PLANTS

GRAPE AND CURRANT CUTTINGS

CORRESPONDENCE SOLICITED

## P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our **HOLLAND NURSERIES**. Some of the goods on hand here during the packing season.

## Situation Wanted

I desire to make a permanent connection with some responsible Nursery Establishment—either to take full charge of the sales department, or to run a catalogue department complete; will take hold of your present business or will start a new one—I am capable of making a success of it. I am not looking for a snap or a place to loaf, but prefer a position that demands ability, aggressiveness and perseverance, and prefer to work on salary and commission. I have twelve years' experience in having full charge of a catalogue house, both growing and selling. Life time at the Nursery business. Prefer to locate in Eastern or Middle States. Thirty-one years of age, married. Address CATALOGUE this office.

## FOR SALE

One of the largest and best equipped retail Nurseries in the South, an ideal location for a wholesale Nursery.

Large acreage of land, well located, two nice residences, office, boarding house, sheds, barns and other buildings.

Plenty of labor at reasonable prices.

The owner desires to sell, other business interests demand his personal attention.

Would be glad to hear from interested parties who mean business.

Address "SOUTH," Care of NATIONAL NURSERYMAN, Rochester, N. Y.

## PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myroblan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

**CAROLINA POPLAR** **BOX ELDER**  
**CALIFORNIA PRIVET and CATALPA SPECIOSA**

ALL ONE YEAR OLD

For further particulars and prices, address

**SOUTHWESTERN NURSERY COMPANY**

C. M. REDMOND, Gen'l Mgr.

Okemah, Okla.

## FALL OF 1909

We will have our Usual Supply of Nursery Stock for Fall of 1909. Apple, Cherry, Peach, Pear, and Plum our Specialties. A good Stock of Shade Trees. Write for prices.

BUDS and SCIONS, we have our usual large Supply.

JOHN A. CANNEDY NURSERY & ORCHARD CO.

CARROLLTON, ILL.

## THE WESTMINSTER NURSERY

J. E. STONER, Proprietor WESTMINSTER, MARYLAND

**Offers for Fall 1909 Spring 1910**

Large stock of Carolina Poplars, 6 feet, to 2 inch Cal. 1 and 2 year Cal. Privets. Raspberry and Strawberry Plants, 1 year Fay's

Currants, Rhubarb, Sour Cherries, Heavy Peach. Black

Locust and Catalpa Seedlings, Shrubbery, etc.

Will contract to bud Peach on KANSAS SEEDLINGS.

## HAVE YOU

Placed your order yet for

## CRATING LUMBER

If not, let us quote you on

## SPRUCE

Thick or thin, cut to lengths.

**RICE & LOCKWOOD Lumber Co.**

Utica Branch

Utica, N. Y.



SPECIALTY  
Small Fruit Plants For the  
Nursery Trade

Large stock of

## Grape Vines

HEAVY GRADES FOR RETAIL TRADE

Willett & Wheelock

North Collins, N. Y.

## ALMA NURSERIES, Oudenbosch, Holland

NURSERIES AT

**Oudenbosch and Boskoop**

Proprietors { U. J. Heerma Van Voss, Czn.  
H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any  
other firm of similar name.

Largest growers of Ornamental, Deciduous and  
Evergreen Nursery Stock.

SOLE AMERICAN AGENT:

J. MEERKAMP VAN EMBDEN, Mt. Vernon, N. Y.

WRITE FOR CATALOGUES AND SPECIAL QUOTATIONS

EVERYTHING IN THE NURSERY LINE  
BUDS TAKEN FROM TESTED FRUIT

### SPECIALTIES

Apple	Small Fruits	Fruit and Forest
Pear	Maple Norway	Tree Seeds
Cherry	" Soft	Fruit Tree Stocks
Plum	Ash European Mt.	Apple and Pear
Peach	Roses	Grafts
Grape	Evergreens	

Special Price in quantity on Catalpa Seedlings and Cal. Privet  
Stock is well grown and graded. Call or write.

**WEBER NURSERY COMPANY**  
GREENFIELD, IND.

## Victor Détriché

Angers, France

Wholesale Grower and Exporter of Fruit-Tree  
Stocks, Forest-Tree Seedlings, Rose Stocks,  
Shrubs, and Conifers for Nursery Planting.

Write for special price-list and catalogue.

W. TAAT, Sta. A., YONKERS, N. Y.

Sole Agent for the United States and Canada.

# SIMPSON

is the name of the men who  
grow the finest

## CHERRY

that can be produced by suitable soil,  
climate and expert knowledge.

Take a look at the stock or ask for a  
sample and be convinced of the *extra*  
*quality* of their

## TREES

H. M. Simpson & Sons,

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## WOOD LABELS

FOR NURSERYMEN AND FLORISTS

BOTH PLAIN AND PRINTED

Facilities for prompt and efficient service, to-  
gether with the quality of our produce is unsurpassed.  
Samples and prices are at the command of a com-  
munication from you.

Dayton Fruit Tree Label Co.

SOUTH CANAL STREET, DAYTON, OHIO



# Evergreens

are my leading specialty. Our soil and climate is acknowledged to be especially adapted for producing healthy, thrifty trees with an abundance of fibrous roots. My stock includes "Everything in Evergreens" from millions of small seedlings and transplants to well formed specimens 2 ft. to 20 ft. in height. In most varieties we have immense quantities in sizes that are just right for growing on, two and three year transplanted stuff with good roots and an abundance of them. You will be surprised how little money is necessary to build up a good stock of evergreens, and you don't have to figure on much loss when buying Hill's Evergreens, if you do your part. NOW is a GOOD TIME to stock up.

*I also make a specialty of growing*

## Forest Tree Seedlings

in immense quantities such as European Larch, Catalpa, Black Locust, American Elm, American Linden, Horse Chestnut, Sweet Chestnut Hard Maple, Norway Maples, Red Oak, White Oak, Burr Oak, Chestnut Oak, Black Oak, Birch, Beech, Ash, Box Elder, etc.

*In addition to the above I have a complete line of*

## Deciduous Shade Trees

of all the most important varieties. Several blocks of Elm 2 1/2 to 5 inches in diameter with extremely well formed tops and straight trunks. A fine lot of Linden.

1909 CATALOG READY NOW. WRITE FOR IT.

### D. HILL

Evergreen Specialist  
DUNDEE, ILL.

"Dundee Grown" Trees Have Been Famous for Over Half a Century.

## The Buying of Trees is a Matter of Confidence



IT IS impossible for even an expert to tell from an examination of the bark and leaves of a tree whether the fruit will be good or worthless. While of importance to private planters, it is of far greater consequence to the nurseryman who buys trees in quantities for distribution among his customers to know they are reliable in every way. For 26 years the Glen Saint Mary Nurseries have been perfecting their facilities for the production of absolutely dependable stock and the nurserymen who have been supplied from this source, as well as direct customers, have come to know that here they can secure

### "Trees True to Name"

Large test orchards are maintained at Glen Saint Mary Nurseries for the fruiting and proving of different varieties. These orchards enable us to point to the parent trees from which our young nursery stock is grown as evidence that we know exactly what the latter may be expected to do when they come to fruit. Further evidence of the superiority of our product is found in bearing orchards throughout the South, planted years ago with Glen Saint Mary trees. We are now growing better trees and plants than ever before.

New Catalogue or Wholesale Price List on application.

### The Glen Saint Mary Nurseries Company,

GLEN SAINT MARY, FLORIDA

G. L. Taber, Pres. & Treas.

H. Harold Hume, Vice-Pres. & Sec.

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When in NEW YORK Stop at the New  
Fire-Proof

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BUSINESS MEN  
FAMILIES  
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Maximum of Luxury  
at Minimum of Cost.

ACCESSIBLE  
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Within Five Minutes'  
Walk of Theatres,  
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Feet West of BROAD-  
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New Dutch Grill  
Rooms. Largest in  
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Electric Cars pass  
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SUITES, \$3.50 AND UPWARDS

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Windlesham Nurseries, Surrey, England

Offer 250 acres of Hardy Outdoor Nursery Stock in great variety, chief among which may be noted the following:

Hardy Named Rhododendrons in such varieties as Everestianum, Caractacus, H. W. Sargent, C. S. Sargent, Kettle-drum, Chas. Dickens, Lady Armstrong, Atrosanguineum, Chas. Bagley, Alba elegans and grandiflora, Giganteum, Old Port, Fastuosum fl. plena, Roseum elegans, Delicatissima, Ed. S. Rand, Jas. Mackintosh, Mrs. H. Ingersoll, and many of the Parson's Hybrids.

Andromeda Florabunda, 20,000 to offer in bushy well grown plants 6 in. to 18 in.

Andromeda Japonica 6 to 18 in.

Azalea Mollis, seedlings from named varieties 4 to 24 in.

Ghent Azaleas, on own roots 12 to 24 in.

Azalea Pontica, the common yellow 12 to 30 in

Gaultheria Shallon and Procumbens.

Kalmia Latifolia 6 to 30 inches.

Hybrid Tea, Tea, Polyantha and Hybrid Perpetual Roses, strong field-grown stock as Standards, Half Standards and Dwarfs in all leading varieties.

Copper Beech, selected seedling, specially good strain 3 to 9 ft.

Fruit Trees, trained, Espalier and Fan shaped.

Box, Handsworth and Common Tree 6 in. to 5 ft.

Retinospora Plumosa and Plumosa Aurea 6 in. to 6 ft.

Retinospora Pisifera and Pisifera Aurea 3 to 6 ft.

Retinospora Obtusa compacta 6 in. to 5 ft.

Abies Orientalis, Parryana, parryana Glauca and Kosteriana 6 in. to 4 ft.

Manetti Stocks, extra well rooted and graded for grafting. We can offer 500,000 for delivery, Fall 1910.

We are within an hour's rail ride of London, and shall welcome the personal inspection of any Nurseryman visiting England. We shall not importune you to buy, the quality of our stocks will ensure business.

Our sole agents for U. S. A. and Canada are

### Messrs. A. ROLKER & SONS,

31 Barclay Street,

New York



## SMALL FRUIT PLANTS

For the Nursery Trade

### FALL, 1909

500,000 Black and Purple Raspberry Tips  
250,000 Gooseberry Layer Plants



Red Raspberry, Blackberry, Dewberry, Strawberry,  
Rhubarb, Asparagus and Horseradish

Currant, Orange-Quince and Gooseberry Cuttings

Everything in Small Fruit Plants

Write for prices

**P. D. BERRY,** R. F. D. No. 3  
DAYTON, OHIO

## B. E. Fields & Son

FREMONT NURSERIES

Fremont, Neb.



### Growers of a General Line of Nursery Stock

## 100,000 PEONIES FOR FALL DELIVERY

All of the Leading Varieties from the Cottage Gardens'  
Famous Collection.

Our enormous stock enables us to send out tubers of the very highest quality, and in filling orders we use undivided roots only—assuring an abundance of flowers the first season. This year we offer one, two and three year plants.

Wholesale List Now Ready. Send for a Copy.

**COTTAGE GARDENS CO., Inc.**  
Queens, Long Island, New York

### Seedlings Specialties

CATALPA (The pure Speciosa Genuine)

Our stock is very fine and we are the largest  
western growers of this line:

*Black Locust	Russian Mulberry	Honey Locust
Russian Olive	Maple	Ash
		Osage Hedge

JAPAN PEAR STOCKS up to our usual high standard.

Also general line of nursery stock.

**The Winfield Nursery Co., (Incorporated)**  
(Island Park), Winfield, Kansas.

J. MONCRIEF, Pres.      E. S. MONCRIEF, Vice-Pres.  
R. I. LEMON, Sec'y-Treas.

## Franklin Davis Nursery Co. Baltimore, Maryland

We offer for Fall 1909 and Spring 1910---

Apple, 1 and 2 year, leading varieties.  
Pear, Standard, Keiffer, Blight Proof, Koonce, Garber,  
Etc., Etc.  
Peach, 1 year, standard varieties.  
" 2 " June Buds.  
Cherry, 1 and 2 year on Mahaleb.  
Asparagus, best leading kinds, 1 and 2 year.  
Privet, California, 1 and 2 year, fine.  
" Ibota, 1 and 2 year.  
Strawberry Plants, best varieties.  
Grape Vines, 1 and 2 year; heavy on 1 year Concord.  
White Birch, 10-12 ft., fine.  
Silver Maple, 10-12 ft., 8-10 ft., 7-8 ft.  
Sugar Maple, 8-9 ft., 7-8 ft.  
Norway Maple, 7-8 ft., 6-7 ft.  
Poplars, Lombardy & Carolina, 1, 2 and 3 year.  
Catalpa Speciosa, 8-9 ft., fine.  
Weeping Willows, 8-9 ft., fine.  
Oriental Planes, 8-9 ft., fine.

We have a fine lot of Extra Heavy Shrubs,  
such as Hydrangea P. G., Weigelas, assorted;  
Altheas, assorted; Judas Trees, Spireas, assorted;  
Eulalias, Snowballs, Lilacs, Strawberry Tree.

In large Shade Trees we have Sugar Maples,  
Elms, Box Elder, Catalpas, Evergreens, Roses,  
Etc., Etc.

Would accept orders to bud Peach on contract.  
Can commence shipping October 1st, or earlier.

Send us your want list.

Confer with us at the Convention.



# ORNAMENTAL STOCKS

**NURSERIES**  
**420 ACRES**

## WE GROW

FRUIT TREE STOCKS—All Sizes.  
300 varieties of Conifers, 1 to 4 years old.  
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.  
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.  
250 varieties of Climbing Plants.  
400 varieties of Conifers, 1 to 4 feet high.  
400 varieties of Perennials.  
800 varieties of New and Old Roses.

We Have No Agents.  
Write direct to us and  
ask for **WHOLESALE**  
**CATALOGUES**

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TRANSON BROS. & D. DAUVESSE'S NURSERIES,  
**BARBIER and CO., Successors,**

Orleans, France

## FRITSCH & BECKER

WHOLESALE SEEDSMEN

at GROSSTABARZ, Thuringia, GERMANY

are prepared to accept contracts on the following  
Specialties for

**DELIVERY FALL 1909**

FRESH SEEDS of MULBERRY, WILD CHERRY,  
MAHALEB CHERRY, PLUM, QUINCE, APPLE,  
PEAR, DOG ROSE, BLACK AND HONEY  
LOCUST and many other sorts.

Price List on application  
WANTED: American Evergreen Tree Seeds  
Offers will oblige

## CALIFORNIA AND AMOOR RIVER PRIVET

Large stock in all grades. This stock being our leading specialty we are able to quote low prices, and believe that we now have the largest stock of any Nursery in the country. Besides we offer Shade Trees, Shrubs, Berry Plants, Grape Vines, Roses, Cannas, Etc., Etc. Special prices on car load lots for booking of early orders.

Trade List ready August the first.

**VALDESIAN NURSERIES,**

Bostic Department, Bostic, North Carolina.

ROSES - SHRUBS - CANNAS - PHLOX  
JAPANESE IRIS - HERBACEOUS PAEONIES

**ALL FIELD GROWN**

Teas, Hybrid Teas, Hybrid Perpetuals, Mosses, Rugosas, Climbers, Ramblers Creepers. Thirty Types. Over Three Hundred Varieties.

Planting for the season of 1909-1910 is the heaviest in our history. Varieties are the BEST and QUALITY is there, better than ever before.

We want to figure with you Mr. Nurseryman on your future orders. We have the goods—QUALITY—QUANTITY—VARIETY—and can make the prices! Your correspondence will get "quick" action.

**The United States Nursery Co.**

RICH, Coahoma County, MISS.

## TO THE TRADE

If you need Silver Maples, Carolina Poplar, Willows, Lombardy Poplar, Tulip Tree, White Ash, Grape Vines, Peach and Pear and one year Apple, write us we have them. Fig and Pecan at our Branch Nurseries, Monticello, Fla. Prices will be right.

**Commercial Nursery Co., Winchester, Tenn.**

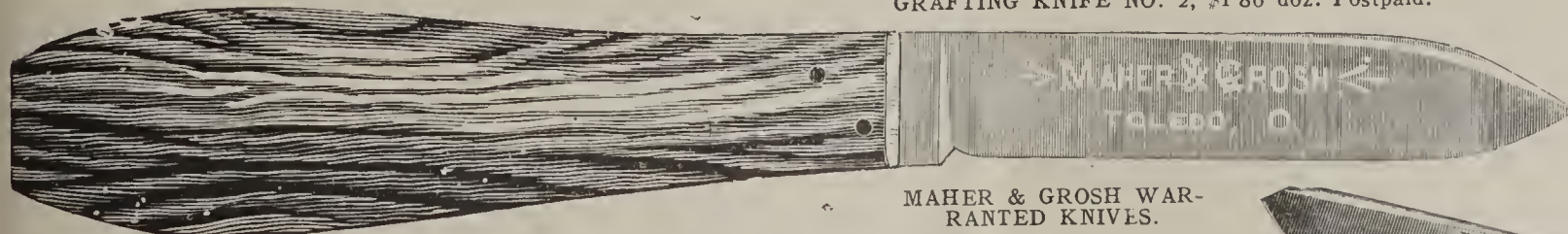
# LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Orders booked now for delivery season 1909-1910. Compare prices quoted in last Fall's trade list. For catalogues and price list address us or our

American Agents, **AUGUST ROLKER & SONS**, New York, 31 Barclay Street, or P. O. Box 752.

GRAFTING KNIFE NO. 2, \$1.80 doz. Postpaid.



MAHER & GROSH WAR-  
RANTED KNIVES.

FLORISTS' KNIFE

White Handle

No. 89

50c. postpaid

Pocket Grafting Knives, 30, 40 and 50c. each. Nursery Pruner, 50c. postpaid. Nursery Budder, 25c. postpaid. Pocket Budder, 35c. postpaid.

The FLORIST KNIFE—No. 89, as shown, 50c.; 6 for \$2.50. No. 89 1/2 has grafting point blade, same price. These blades are equal to any razor in fineness.

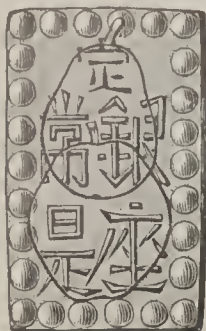
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When writing to Advertisers mention the National Nurseryman.



## Heikes --- Huntsville --- Trees



Huntsville  
Wholesale Nurseries

Huntsville, Ala.

JESSIE S. MOSS, Prop.

We offer for the Fall of 1909 and Spring of 1910 in large quantities as usual :

### SPECIALTIES

- PEARS**—Bartlett and Beurre de Anjou, one year, in large supply. As fine in quality as ever grown.  
**PEARS**—Kieffers, one and two years old. A much smaller crop than heretofore  
**PEARS**—Assorted leading varieties. One and two yrs. old.  
**CHERRIES**—On Mahaleb. Leading sour varieties. A large block but not as many as usual.  
**PEACHES**—We excel in Peaches, and of these we will have as large and as fine a stock as we have ever grown, both in one year and June Buds.  
**PLUMS**—A light stock of these for this year.  
**PECANS**—We make a specialty of grafted Pecans. These are grown in our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.  
**ROSES**—Budded. We have discontinued the propagation of Roses at Biloxi. We will have a large stock of leading Hybrid Perpetuals and Mosses grown at Huntsville.  
**PRIVET**—Amoor River. Retains its foliage longer and holds its color better than Colifornia Privet.  
**MAGNOLIA G. F.**—Huntsville grown. Handsome, young plants, transplanted.

See Price List for particulars.

Address, W. F. HEIKES, Manager,  
HUNTSVILLE, ALA.

## THE BEST TREE DIGGER ON EARTH



### Used and Recommended by Leading Nurserymen

The one we have used for years, and by far the most satisfactory of any we have ever seen. It does exactly the work for which it was designed—and does it right. If interested we will be glad to send description and prices.

**Stark Bro's Nurseries & Orchards Co.**

LOUISIANA, MO.

**HAVE** you seen and examined the quality of our waterproof rawhide shipping tags and tree labels? This stock is



especially adapted to hard usage and outside use. "Once used, always used." Send for samples and prices. Our refer-

ences are the largest Nurserymen in the United States.

**The Denney Tag Co.**

WEST CHESTER, PA.

## B. & A. SPECIALTIES.

- BLUE SPRUCE**, all sizes, 2 to 7 feet.  
**WEeping BLUE SPRUCE**. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.  
**ROSES**, Hybrid Perpetual and Hybrid Tea varieties.  
**CONIFERS and EVERGREENS**, 150 varieties.  
**RHODODENDRONS**, Hardy Hybrid and Maxima, 50 varieties.  
**EVERGREEN SHRUBS**, 35 varieties.  
**FLOWERING SHRUBS**, 350 varieties.  
**JAPANESE MAPLES**, 25 varieties.  
**ORNAMENTAL DECIDUOUS SHADE TREES**, 50 varieties.  
**WEeping and STANDARD DECIDUOUS TREES**, 50 varieties.  
**HEDGE PLANTS**, 25 kinds.  
**HARDY VINES and CLIMBERS**, 75 varieties.  
**PLANTS and TRAILING VINES**, 12 varieties.  
**SPRING and SUMMER FLOWERING ROOTS and BULBS**, 250 varieties.  
**DECORATIVE and FLOWERING PLANTS**, 50 varieties.  
**TRAINED and OTHER FRUIT TREES**. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.  
**SMALL FRUITS**, 75 varieties.  
**NEW and RARE TREES, SHRUBS and EVERGREENS**, 35 varieties.  
**MISCELLANEOUS NEW and RARE PLANTS and VINES**, 25 varieties.  
**HARDY HERBACEOUS PLANTS** (Old Fashioned Flowers) 1,000 varieties.  
**NEW and RARE CHOICE HARDY PERENNIALS**, 65 varieties.  
**ORNAMENTAL GRASSES**, 30 varieties.  
**HARDY FERNS**, 50 varieties.

ASK FOR WHOLESALE CATALOG

VISIT NURSERIES

**BOBBINK & ATKINS,**

NURSEYMEN AND FLORISTS,

RUTHERFORD, N. J.



# BURLAPS

Sheet Burlaps for wrapping purposes  
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Burlaps cut to size ready for use, 24, 28,  
32 and 36 inches square

Write for quotations

**J. R. Wertman**  
Geneva, N. Y.

## F. J. Grootendorst & Sons

BOSKOOP, HOLLAND

Azaleas, Rhododendrons, Clematis, Roses, Pot-grown  
Plants for forcing. Buxus, Conifers, Japanese  
Maples, Shrubs, Palms, Bulbs, Etc.

A postal brings our catalogue

LET US QUOTE PRICES ON YOUR LIST OF WANTS

## Willis Nurseries

Ottawa, Kansas

OFFERS FOR SHIPMENT

in the

FALL of 1909 and SPRING of 1910

a general assortment of

## Choice Nursery Stock

Let us make you special prices on

Apple Seedlings  
Forest Seedlings and  
Shade Trees

**A. WILLIS & CO.**

## E. P. BERNARDIN

### PARSONS Wholesale Nurseries

Parsons, Kans.

Established 1870

We are still headquarters for Early Harvest B. B. root  
grown plants. One-half million to offer.

200,000 Peach, 1 year to offer in general assortment.

Large supply of Evergreens, Shrubs and Ornamental  
Shade Trees, in all sizes. Car lot orders solicited.

Carolina Poplar, all sizes and in quantity.

Send in your want lists for estimates.

## F. H. STANNARD & CO.

### The Ottawa Star Nurseries

OTTAWA, KANSAS

APPLE TREES, assorted, all grades.

CHERRY TREES, assorted, all grades.

PEAR TREES, assorted, all grades.

GRAPE VINES, assorted.

A large and complete assortment of Shade Trees  
APPLE AND FOREST TREE SEEDLINGS

We call special attention to our

CATALPA SPECIOSA SEEDLINGS

35TH YEAR

## Pan Handle Nurseries

WE OFFER A COMPLETE ASSORTMENT OF NURSERY  
STOCK CONSISTING OF

Apple	Poplar Carolina	Ampelopsis
Pear	Poplar Volga	Roses
Plum	Elm American	Evergreens
Cherry	Sycamores	California Privet
Peach	Mountain Ash	Buxus
Grape	Althea	Weeping Trees
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ROCHESTER, N. Y.

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of the

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SEASON, 1909

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Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

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Gandy.

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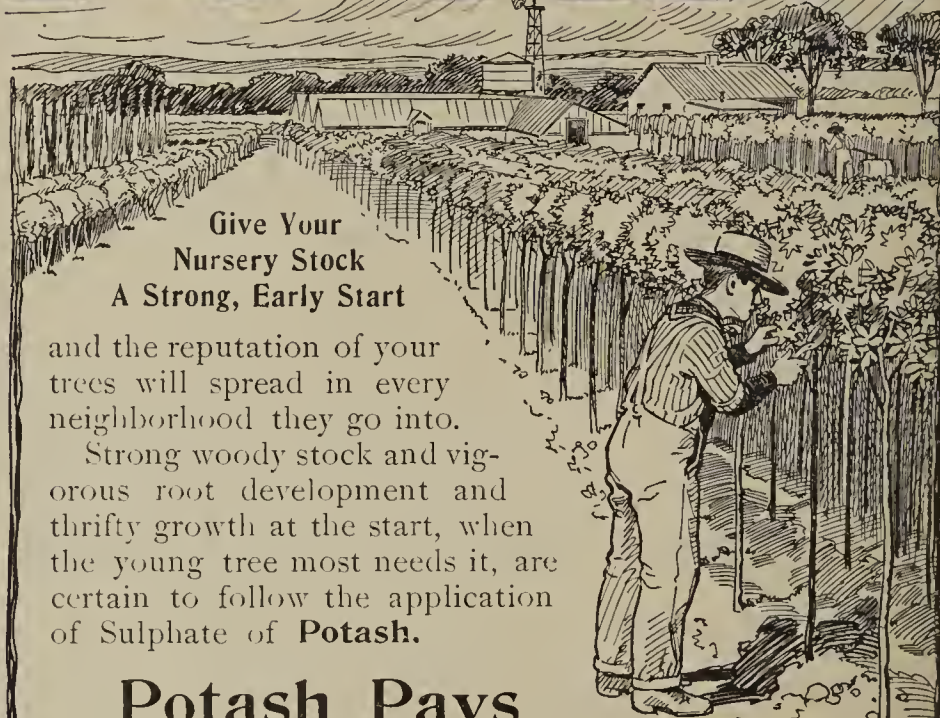
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# The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

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Vol. XVII.

ROCHESTER, N. Y., OCTOBER, 1909

No. 10

## A FORTNIGHT IN FRANCE

### An Interesting Letter from Mr. Geo. C. Perkins, of Jackson & Perkins Co., about the French Nurseries.

Writing from on board the steamer "La Savoie" Mr. Geo. C. Perkins, of Jackson & Perkins, Newark, N. Y., sends a valuable article of interest to the nurserymen:

I have just completed a hurried trip through the nursery sections of France, and it occurred to me that your readers might be interested in some account of it. The writing of it will also while away some of the time which hangs heavily on one's hands during the seven days of enforced idleness on the ocean.

The growing season has been a very unfavorable one in France, the most unfavorable in several years. The spring and summer were very cold, not only in France, but, as I hear from the numerous American tourists one meets, everywhere over Europe. It was so cold during the early spring that seeds germinated very badly and this was followed by a long drought extending well into the summer.

#### SEEDLING CROP SHORT

As nearly as I could determine from the numerous blocks I saw and from inquiries made at various places, the crop this season, does not average more than 60% of what should have been produced, under favorable weather conditions.

Plentiful rains had fallen a short time before my arrival in France, so the country was then looking comparatively fresh and attractive. They came too late in the season to

benefit the seedlings as earlier rains would have done, but nevertheless, they were most welcome to the French growers. They will somewhat increase the percentages of the larger grades of seedlings for which the outlook about mid-summer was extremely discouraging to say the least.

While all the leading French Nurserymen grow some fruit tree stocks themselves, the greater part of the crop of the staple articles, such as Apple, Pear, Myrobalan, Mahaleb, Mazzard, is raised by small farmers. The nurserymen furnish the peasant farmers the seed and contract with them to take the re-



NURSERIES OF CHAS. DETRICHE, SR., ANGERS, FRANCE.  
One of the Storage Cellars where Stock is being Packed for Exportation

sultant crop at stated prices for the various grades.

During my stay at Angers, Mr. Detriché took me around with him to see a number of his contract plantings; driving to those within a few kilometers distance, and hiring an automobile one day to visit some of the more distant ones. The latter day will always remain a red letter one in my memory. The weather was perfect, the country beautiful, and to spin along at the rate of 60 or 70 kilometers an hour, over those perfect French roads, was an experience to be long remembered. I then and there resolved that I would some day find time and money enough to take a motor trip thru France in company with my family.

At each of the plantings which we visited, the farmer would walk about with us and there would be animated



conversations between him and Mr. Detriche, much punctuated with vigorous gesticulations so characteristic of the French, and carried on at such a rapid fire rate that, for the most part, my unaccustomed ears could distinguish only a word here and there.

However, the farmers were always glad to give explanations and information to "le M'sieur d'Amerique," about anything which he wanted to know, but it was amusing to see how futile were their efforts when asked, would they "kindly speak a little more slowly?" For a sentence or two, every word would be said slowly and separately, but before they knew it, they were off at full speed again and it sounded like the whiz of an automobile engine.

After inspecting the seedlings, we were always expected to go into the house, no matter how humble a cottage or hut, and have a glass of wine; surprisingly good wine it usually was too, and fortunately very light.

The French peasants impressed me as very healthy, happy, contented people. Their necessities are few, and the wages while low in amount, are probably of greater purchasing capacity in France than American rates of pay are in the United States. I should consider the average French peasant decidedly better off than the average unskilled agricultural laborer in the United States. I think that a visit to France on business, especially the nursery business, which takes one out in the country and among the agricultural part of the community, is really much more interesting and enjoyable than a mere pleasure trip. One is brought in contact with phases of French life, that the ordinary tourist does not see.

#### METHODS OF CULTIVATION

The methods of cultivation seem at first, to an American, as rather crude and uneconomical, but after studying local conditions, one comes to the conclusion that the French growers know their own business better than an outsider can teach it to them. Manual labor and stable fertilizer, which, with us, are most costly factors of agricultural production, are in France the cheapest, and the land which in America is comparatively cheap, is, in France, very dear.

Consequently, the end sought in France, is to make a meter of ground yield the greatest possible amount of product, and it is accomplished to a wonderful degree, by means of high fertilization and intensive hand cultivation. Horse cultivation is employed but very little, even in stock of larger size that has been transplanted to grow on; and among the seedlings it is quite unheard of.

The seedlings are thickly grown in beds of usually  $1\frac{1}{2}$  meters in width. The pear seedlings and many of the apple are transplanted "en cotelydon" as they say in France; that is, they are dibbled off while still bearing the cotyledons, or primary leaves which are formed by the two halves of the seed after it has sprouted and pushed itself up out of the soil. This transplanting of course, is what gives the seedlings their fibrous root growth. The Apple and Pear seedlings are

practically all grown at Angers, as they require a heavier soil than is found in the other Nursery centers. The Mahaleb, Mazzard and Myrobolan, extensively produced at Angers, Orleans and Ussy, are sown directly in the beds and are grown without transplanting. All the seedlings are carefully weeded and



NURSERIES OF CHAS. DETRICHE, SR., ANGERS, FRANCE.  
PACKING ROOM. Stock being Packed for Shipment to America.

the ground is frequently stirred about them, sometimes with pointed sticks or small hand hoes, or more often with the bare fingers. In dry seasons, like the early part of the present one, they are watered with sprinkling pots. This was one of the methods which struck me as especially crude, but it is surprising how rapidly a French peasant can water a block of seedlings. The water is piped or flowed to little tanks or pools here and there about the field. There are narrow little walks, not over eight inches wide, between the beds of seedlings. The workman takes two large sprinkling pots, holding about two gallons each, fills them at the tank or pool, and with one in each hand goes along the narrow, little walks, watering two beds of seedlings at a time.

#### CO-OPERATION

The French Nurserymen have recently taken a lesson from America, as to the benefit of co-operation. They have formed an association among themselves which has regulated



prices quite effectively during the last two seasons; so much so that there really has been no competition in prices among the different houses. The competition now lies in good grading and careful packing which, so long as prices are within reason, is certainly a very good thing for the American purchasers.

One of the French Nurserymen asked me whether I thought there would continue to be a market for fruit tree stocks in the United States. "What do you do," he said, "with all the millions of seedlings that we have been sending you every season, for the last 50 years or more? I should think that America would be filled up with fruit trees by this time?" By expatiating on the size of our country and the immense new tracts of land that are being developed for fruit growing, I convinced him that the United States, would still be a good market for some years to come, though I also had to admit that only a small percentage of the seedlings purchased and planted by American Nurserymen, ever developed into fruiting trees. If both the Nurseryman and his customers in America, were as painstaking as they are in Europe, the fears of my French friend might not have been so groundless.

I felt quite ashamed of my ignorance of varieties, while going about among the French Nurseries. They all grow so much larger assortment of varieties than are kept in most American establishments. This is true of both fruits and ornamentals. On the other hand, the quantities grown of each variety, are much smaller than in our country. For example, one nurseryman told me that he had (68) sixty-eight varieties of Pears, and grew from 25 to 500 trees of each. In the United States, it would more likely be, 12 to 15 varieties and 2,000 to 40,000 of a sort. Certainly the American way is vastly easier for the nurserymen, and I question whether the planter is benefited by a multiplication of varieties so great as obtains in most European establishments.

#### ORNAMENTALS

However, I think we could advantageously widen our assortments of ornamental plants to a certain extent.

There are many beautiful flowering and decorative plants seen all over Europe, which are almost unknown in our country, and surely they would succeed well in at least some sections. I especially admired *Polygonum Baldschuanicum*, a climbing plant with bronzy white flowers, produced in great abundance all through the late spring and the entire summer. When I was across last year, I saw it in full bloom in May, and this year, during the latter part of August, it was still a mass of flowers. I have seen this variety offered in only one American catalogue. I am told that it is very

hardy, it plainly is of strong vigorous growth, and it seemingly would make a valuable addition to our climbing flowering plants.

The growing of seedlings and young plants, either of fruit or ornamentals, is a business quite distinct from that of the nurseryman who cultivates specimen stock of greater size and age. Few of the French Nurseries, attempt to combine the two lines. The man who grows the young stock is a specialist and usually confines his activities to that particular work. His land is mostly cleared and replanted every year, scarcely any of it being occupied over two years. An American always wonders where a market can be found for the millions and millions of young plants of deciduous trees and coniferous trees that are annually grown by the nurserymen of Angers, Orleans and Ussy, such as Maple, Horse Chestnut, Beech, Birch, Chestnut, Thorn, Ash, Plane, Oak, Linden, Spruce, Firs, Pines, Cypress, Larch, etc., etc. These are varieties which are sent to America in only very moderate quantities. The



NURSERIES OF CHAS. DETRICHE, SR., ANGERS, FRANCE.  
SPECIAL MANNER OF PACKING PLANTS WITH BALLS.  
This box was shipped to the Pacific Coast and it was en route more than three months, but the stock arrived in perfect condition.

market for them is in Europe, and it is provided largely by the public and private forestry plantings in the various European countries. This is a work of practical commercial importance through-out Europe. Let us hope that in the near future, the question of artificial forestry will be seriously taken up in the United States and that a new and wide field of work, will thus be opened to American Nurserymen.

Of the fruit tree stocks, the greater portion comes to the United States, although moderate quantities of Pear, Apple, Quince and Mazzard are sold in Europe; also some Myrobolan, for use as a hedge plant. It is hardly ever used as a



stock for plum. St. Julien is the plum stock most generally employed there. The Mahalebs are practically all for American trade; also the Manetti, which is not liked in Europe as a rose stock. Rosa canina, the Dog Briar, is the Rose stock grown mostly for European use.

#### ROSES

A great many roses of named varieties, are grown at Angers and Orleans, but they are mostly grafted plants, sold at one year old, and are rather small to suit American trade. Then, too, many of the varieties are sorts not adapted to our climate. It is surprising how certain varieties of roses will differ in habit in different localities. In America, at least in the eastern States, Soliel d'Or is of such feeble growth that we have had to give up attempting to grow it, although we experimented with it on several different stocks. In France, I saw plants of Soliel d'Or which had made several very strong canes, of 3 feet or more in height in one season from bud or graft.

While speaking of Roses, I want to recommend that every American, visiting Paris, who is interested in Roses, should see the rose garden at Bagatelle in the Bois de Boulogne. For the last two years, there have been exhibitions there of new roses introduced during the year, and I believe it is the plan to continue these exhibitions regularly each year in the future. Nearly all the leading European rosarians and several American ones, send their novelties here to the Bagatelle gardens, where they are grown side by side for comparison and testing, prizes being awarded at the end of the season, to the novelties which have shown themselves to be of the greatest merit. In addition to the novelties, exhibited, there is also at the Bagatelle gardens, a very

fine collection of older varieties, grouped according to the various races. Mr. Jules Gravereaux, a wealthy Parisian, proprietor of one of the largest department stores there, is a most enthusiastic rosarian, and it is he, who has been largely instrumental in establishing this annual exhibition of novelties at Bagatelle. He also has a magnificent private collection of roses at his summer home in l'Hay, just out of Paris. I was told by the gardener that he had between 7,000 and 8,000 varieties in his collection. Permission to visit the gardens, can usually be obtained during the early summer, by those interested in rose growing, and it is both a rare treat and an education in rose culture. My time was so limited this trip and it was so late in the summer, that I did not visit the "Rosarie de l'Hay" as Mr. Gravereaux's gardens are called, but I spent a very pleasant half-day there last year, and would have been glad of several weeks in which to study the multitude of varieties cultivated.

There are two establishments near Paris which have fine showings of specimen stock, those of Croux & Son at Chateaufort, and Moser & Son, at Versailles. At these places, I saw some remarkably well grown stock of Rhododendrons, Laurels, Aucubas, Azaleas, Euonymus, Hollies, Ivies, Magnolias, Loniceras, etc., etc. Also a very fine assortment of coniferous trees in unusually well grown specimens. At Croux & Sons', they also grow fruit trees quite extensively—specimen trees, trained in the various special forms that are required in Europe. Stock such as I saw at these establishments, requires a long time to produce. Many of the specimens had been grown in the Nursery for from 7 to 15 years, and had during all this time, received the most careful training and cultivation as well as frequent transplanting.

## THE NICKERSON CUP

**Awarded Jackson & Perkins Company, Newark, New York, by the English Rose Society for the Rose Dorothy Perkins**



LAST year, W. E. Nickerson of Cambridge, Mass., presented twelve five-guinea silver cups to the English Rose Society to be awarded one to each of the raisers of the best twelve roses, especially suitable for general cultivation for different garden purposes. The committee of the National Rose Society distributed ballots to the leading rosarians in England and elsewhere. Every person receiving a ballot was requested to underline in each of the twelve divisions, into which the competition had been arranged, the variety that he considered as best complying with the conditions laid down.

When the votes were counted it was found that only two varieties, Mme. Alfred Carriere and Frau Karl Druschki



The Nickerson Cup Awarded Jackson & Perkins Company for Rose Dorothy Perkins.

had received more votes in their classes than had Dorothy Perkins in its class. Crimson Rambler received less than half as many votes. Dorothy Perkins is the only rose of American origin that received the distinction of a Nickerson Cup at the hands of the English Rose Society. The accompanying cut shows the cup.

Those acquainted with the Jackson and Perkins Company and their constant effort and care in regard to their stock and varieties know that the honor that has come to the firm is well earned. We are sure that though all earnest nurserymen will envy them their triumph, they extend them heartiest congratulations for the honor that has come to the firm and to America.

J. S. G.





## MASSACHUSETTS NURSERIES

The following sketches descriptive of some of the leading nurseries of the Bay State have been prepared by John S. Gallagher who is responsible for the form of presentation and facts contained in each sketch.—Editor.

### OLD COLONY NURSERY,

PLYMOUTH, MASS.

The Old Colony Nursery was established in 1840, by Benjamin Marston Watson, one year after his graduation from Harvard College. For the first few years, the work was mostly in fruits as the demand in New England at that time was mostly of a practical nature. Very soon, however, in the history of the Old Colony Nurseries the work of collecting from every country in the world ornamental plants of every description, hardy in New England, was undertaken and has since continued as the principal work of these nurseries.

The three first plants of *Forsythia suspensa*, that came to this country are still growing on the grounds of the Old Colony Nurseries. In the sixties one of the first importations from Japan came in a "wardian case." This case contained some of the first plants of the most desirable *Retinosporas*, some of which are still in evidence. It also contained one small plant of *Lonicera Japonica Halleana*, the first plant introduced. From this plant not only this country was stocked, but France and England. Before the war, the demand for ornamental plants was largely south of Mason and Dixon line: later in the seventies, the demand was largest in the New England states, spreading gradually to the middle west, until now the demand is from almost every state in the union. A member of the Standish guards of Plymouth, employed for many years in the Old Colony Nurseries, during the Civil War, helped to cut trees for bivouac fires, which he had helped to grow and to ship to the South before the war.

Early in the fifties Mr. Watson began planting some thirty acres of the home grounds, called "Hillside" with the

various ornamental plants collected from the world. Today after a growth of some sixty years, there is a good opportunity to note the "survival of the fittest." English acorns from trees grown from seed by Mr. Watson, introduced this tree to the Pacific coast, where it has since become so valuable.

In the gale of November, 1908, memorable on account of the loss of the Portland, four hundred trees were blown down on the grounds of Hillside. They were by no means saplings; the largest made three cords of wood and the four hundred made about three hundred cords. Today only an expert would notice their absence.

A Norway Spruce standing today, is eighty feet tall and over three feet in diameter; there are European Larches, that will scale 1,000 feet or more; Purple Beeches two feet in diameter; a weeping beech (said to be one of the finest in the country) some forty feet in height; fine trees of *Fagus sylvatica*, furnishing an ample supply of seedlings; a *Taxus cuspidata* some twenty-five feet, rather unusual in New England; Gum trees, tulips, Southern Cypress and many other specimen trees too numerous to mention. Two White Oaks, old trees when Mr. Watson began to plant are fine specimens.

Hillside is among the oldest ornamental plantations in Massachusetts and offers many good lessons, today, both in ornamental planting and in forestry.

B. M. Watson continued the direction of the Old Colony Nurseries for fifty-five years, from the day of their inception, till the day of his death. Since then the work has been continued by his sons.





The Greenhouses. J. W. Adams &amp; Co.

## J. W. ADAMS AND COMPANY

SPRINGFIELD, MASS.

**T**HIS firm owes its origin to the same cause that has lead to the founding of so many other nurseries, the ill health of the founder while connected with some other line of work. John W. Adams began his life work, at the age of twenty as a teacher in a winter school at Amesbury. Later he secured an engagement to teach in a yearly grammar school near Boston. When just about to congratulate himself on having been so well started at an early age, his health gave way under a severe attack of dyspepsia. The only course that lay open to him then was engaging in out door work. His knowledge and training in horticulture decided the business he should pursue. It was not, however, until after having taught three more terms in Massachusetts, two in New Hampshire and two in Maine that he finally closed his teaching career.

In 1812 his father had started a small nursery for the purpose of raising apple trees for the orchards on his own farm. The area occupied was added to until in 1844-45 it became a problem to dispose of the product. A block of thirty acres, was selected and purchased in the city of Portland, Maine on October 12, 1849. Here the beginning of the present North Main Street Nurseries (J. W. Adams & Co.) was made.

Mr. Edward Morrill bought a half interest in the nursery and became a partner the day he was twenty-one, having just finished his apprenticeship as a tanner. But not liking the business, though it had made his father and uncle wealthy, he sold out his interest and being politically ambitious, sallied forth to Kansas where he later became Governor and member of Congress.

Notwithstanding the many difficulties and problems surrounding the beginning of a nursery the growing and

business prospered. In the fall of 1855, Mr. Adams was able to remark to a friend, "The nursery begins to look so that we can be proud to show intending buyers our work." But next year the fatal winter of 1856 when many forest trees were injured and vast numbers of fruit trees killed.

The result of this trying experience was the decision to move farther south to land that would promote the growing if not the selling. The sale of Arbor Vitae and other ornamental trees to the people in Massachusetts led the owners to choose that state and locate 100 miles west of Boston, 100 miles east of Albany, 136 miles north of New York and 25 miles north of Hartford, Conn.

The soil of the present nursery seems to be identical for growth with that in Maine and snows do not break down the trees. Altogether the move was a propitious one. The heat and cold is not always all that can be desired but roomy glass structure and storage cellars help in many ways. The land suffers little from being either too wet or too dry.

The business of the company has grown and changed with the increasing growth of cities in New England. The output of the nursery is practically only ornamental trees and shrubs of all the hardier sorts. Tender plants for bedding purposes are also raised in the half acre of ground covered by the greenhouses. A new cement storage cellar is being constructed on the home grounds and this, when completed, will greatly facilitate the handling of the increased business of the company.

The founder, J. W. Adams, is now in his eighty-second year, is still active, though not enjoying the best of health. The other members of the firm are, Walter and Charles Adams and E. J. Oatman.





A View in the Cherry Hill Nursery, West Newbury, Mass

## CHERRY HILL NURSERIES

WEST NEWBURY, MASS.

This is one of the oldest nurseries in this state, having been established in 1832 by George Thurlow, father of the late Thomas C. Thurlow. The nursery was located in West Newbury, in the northern part of Essex county, about thirty miles north from Boston. In those days extensive orchards were planted in this section, and George Thurlow decided to enter that line of business. The general custom was for orchardists to gather seed from natural apples, or cider apples as they were called, and do his own budding. Mr. Thurlow set out thousands of trees but made the mistake of planting them too closely together. Any surplus of stock which he had from year to year he sold to his neighbors, and gradually his trees came to be known for twenty or thirty miles around.

In 1857 his son, Thomas C. Thurlow, then a young man of twenty-five, broke down in health, and decided to travel through what was then known as "the West," or Iowa, Illinois and Missouri. While in Missouri the banks suspended, owing to the panic of '57 and he was left without money. As he had learned the science of budding and grafting he found employment in one of the nurseries in that state and was sent out as an agent. A year later, fully recovered in health, he returned home, visiting the Geneva and Rochester nurseries, learn-

ing of the demand which was beginning for ornamental stock.

When he reached home he found his father much discouraged because of the inroads of the canker worms which had killed half of his too thickly set orchards. Said he, "The country is full of trees and the nursery business is no longer profitable." His son, however, had faith in the "unprofitable nursery business, and resolved to embark in that business, beginning on about two acres of land, and raising fruit stock, and a few ornamentals, principally Sugar Maples. His weak lungs disqualified him for the Army, and so during the years from 1861 to '65 he raised a stock which he disposed of readily at good prices, after the war. There was a large demand for fruit stock at this time, especially pear trees, and a good part of



A Bed of German Iris One Year from Division. The loamy land of the Cherry Hill Nurseries is especially suited for them as is shown by the splendid growth.



the trade was in this line, until, in later years, New York nurseries with their more numerous facilities, could grow them much cheaper, and this nursery raised ornamental stock entirely, making specialties of Norway and Sugar Maples, Norway and White Spruce and in later years Blue Spruce and Concolor Firs, and specimen ornamental stock.

Some thirty years ago Mr. Thurlow became interested in peonies and obtained a collection of the Richardson seedlings. He also bought quite largely from England and France, and by 1899 he had a stock of over 70,000 plants. At this time he sold his entire stock, but he decided to build up a new collection, and as his oldest son, George, and a few years later his youngest son, Winthrop, became associated with him, bought the best varieties in Europe and America, until today peonies are one of the specialties at Cherry Hill. German iris and phlox were also added, and a fine assort-

ment has been collected and propagated. Native azaleas, kalmia latifolia and andromeda are also grown extensively, and the nursery contains an excellent stock of these plants. The trade is to a large extent, retail, as it is situated within a short distance of the "North Shore" of Massachusetts, where are many summer homes in Nahant, Manchester and Beverly. The policy of the nursery is to produce specimen stock in ornamental deciduous trees and evergreens.

Mr. T. C. Thurlow, altho for many years in delicate health, took an active interest in the business, until his death, which occurred July last. He was an enthusiastic lover of horticulture, and enjoyed every new and beautiful plant. His sons George C. and Winthrop H. will continue the business, and will endeavor to maintain the business principles established by their father.



Largest Storage Cellar in New England. Owned by the New England Nurseries, Bedford, Mass.

## NEW ENGLAND NURSERIES, Inc.

BEDFORD, MASS.

This is the largest concern of its kind in New England. For nearly a mile along and on both sides of the "Great Road" leading from Lexington to Concord, one may see well cultivated blocks of hardy ornamentals. The evergreen section is perhaps the most conspicuous. Hundreds of beautiful specimen Abies concolor, Picea pungens, Retinosporas, Junipers, Pines and Thuyas are found in the collection, while a great variety of the rarer European sorts are by no means lacking.

The herbaceous section contains over a thousand varieties of hardy flowers, new and old. This collection represents years of constant endeavor in securing from the ends of the earth and testing the hardiness of specimens suitable for planting and worthy of cultivation in the rigorous climate of New England. Then, blocks of deciduous trees and shrubs, roses and evergreen shrubs form no small part of the collection.

The nurseries were established at Bedford about twenty years ago. Previous to that, a block of ten acres in the

city of Cambridge served as a show ground, where offices and greenhouses were then located.

The present owners, The New England Nurseries, Inc., acquired the property and stock by purchase in the spring of 1907. Mr. Theo. J. Smith of the W. & T. Smith Co., Geneva, N. Y., became president of the new corporation, and Mr. A. E. Robinson, formerly with the W. & T. Smith Co., treasurer and manager. For more than two years extensive improvements have been in progress. New cellars and greenhouses have been built, new machinery and equipment installed and many acres of land reclaimed and planted. The propagating department and nursery proper is now under the supervision of Mr. Charles Fisher, formerly of Fonthill, Ontario, and well known in Geneva and Rochester, N. Y.

The company also maintains an up-to-date Landscape Designing and Planting Department. This is under the management of Mr. John Kirkegaard.





A Block of Specimen Trees, New England Nurseries.

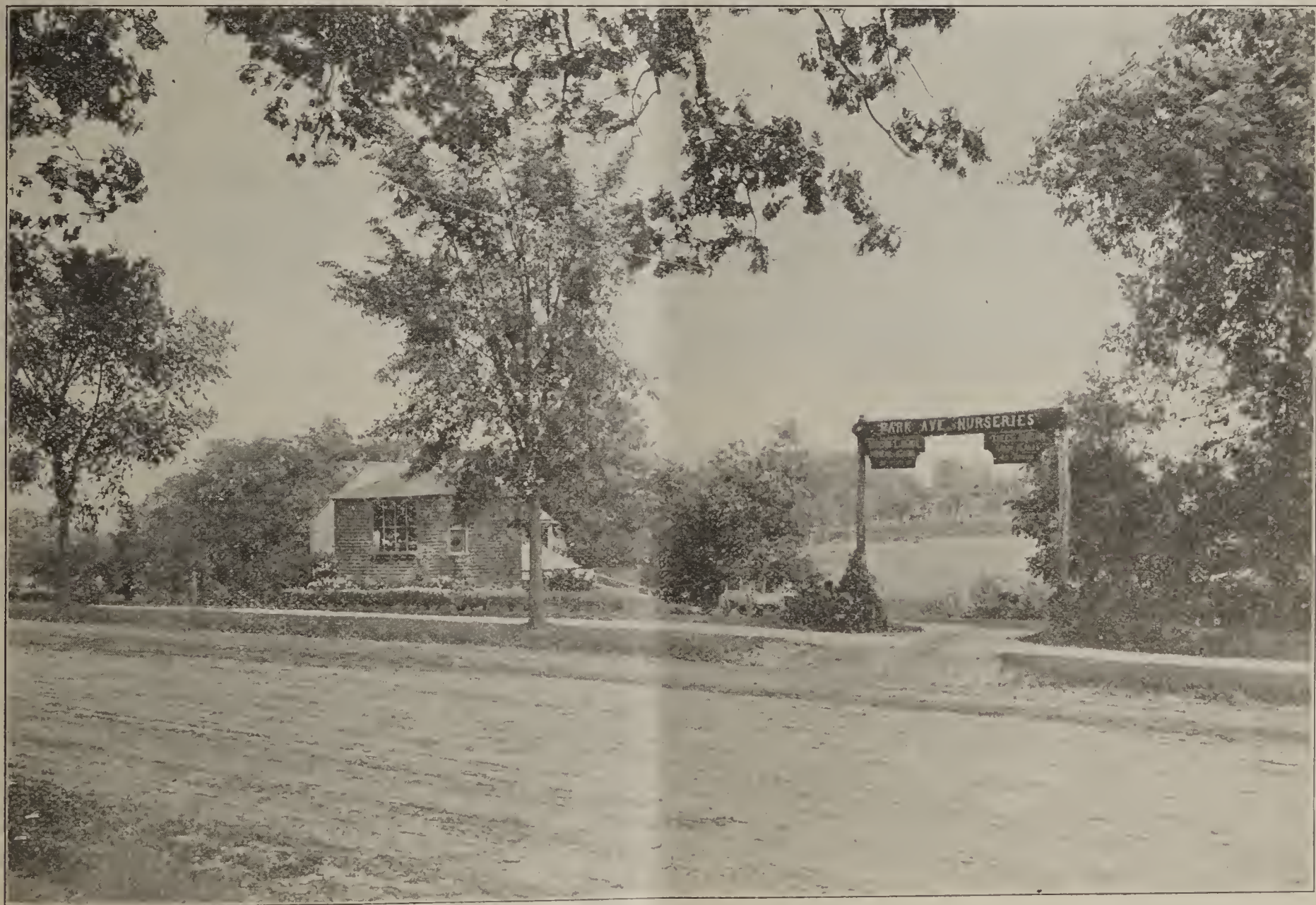
## PARK AVENUE NURSERIES

WORCESTER, MASS.

Mr. Bemis, an artist of reputation in Massachusetts and New England, and who has been before the public for several years as a landscape gardener, acquired in 1907 new grounds on the easterly side of Park Avenue, between Salisbury Street and Institute Road, Worcester, Mass. He erected a number of buildings which, with the addition of the office building, make one of the most attractive and well arranged headquarters for general nursery business in

New England. The list comprises, at present, a commodious packing shed, with storage cellar, greenhouse, barn and long shed for wagons and tools. A good rock-ballast drive and walk, with appropriate planting complete the picture.

Every year, Mr. Bemis issues a long list of spring bulbs for forcing and outside planting; herbaceous plants, pansies vires, shrubs and trees, the best that skill and knowledge



The Home Grounds of the Park Avenue Nurseries



can grow or procure. Much of the perennial list is of his own growing and is a specialty with him. This class of hardy plants, containing many old-fashioned favorites, is very much used in landscape work, and is well adapted for early fall planting.

Every winter the large window of the Park Avenue Nurseries, at Christmas time and thereafter, displays a good variety of cut flowers. The importance of proper arrangement of these is recognized, and, from the nature of Mr. Bemis's education and experience, are sure to be in good taste.

## BAY STATE NURSERIES

NORTH ABINGTON, MASS.

The spring of 1894 marks the beginning of the Bay State Nurseries located at North Abington, Massachusetts. About one acre of plants was then set out. From that time, there has been an ever increasing acreage of planting, until at the present time one hundred fifty acres are under cultivation.

During the first years of the business, the product of the Nurseries was confined to Ornamental Shrubs and Shade



The Exhibit made by the Park Avenue Nurseries.

The cuts in this article show in the one case, the permanent planting, which was made last year, at the New England Fair, and in the other, the office and grounds on Park Avenue.

The illustration of the permanent planting shows a part of the landscape treatment which Mr. Addison L. Bemis made at the New England Fair, about one of the portable houses exhibited by E. F. Hodgson, Dover, Mass. This exhibit, comprising a colony of five houses, of various sizes and uses, with landscape setting about the three principal structures, was unquestionably the feature of the fair.

The home grounds show the ability of the proprietor to improve unfavorable conditions by judicious planting and landscape effects.

Trees. About four years later a beginning was made on Evergreens and at the present time, the Evergreens alone run into large numbers. Rhododendrons have long been a striking feature of this nursery, their number running into the thousands and including our native and all better varieties of the hybrids.

Four years ago more property was bought and devoted entirely to the propagation of herbaceous plants, until that department alone now has ten acres planted exclusively to perennials. The packing sheds and storage houses are of the most modern construction and so arranged as to facilitate the handling of the stock without exposure to the sun and wind.

North Abington, one of the most beautifully kept towns in New England, is located eighteen miles south of Boston, half way from Boston to Plymouth.





## CONTINENTAL NURSERIES,

FRANKLIN, MASS.

**T**HE Continental Nurseries although young as compared with others in Massachusetts are nevertheless promising in growth. The energy, ability and knowledge of their proprietor bid fair soon to place them among the foremost in New England and the country at large.

These nurseries were founded in the spring of 1903 by the purchasing on the part of Messrs. A. Van Leeuwen, senior

and junior, of the property known in Franklin as the "Deacon Thurston Inn and Farm." The purchasers were lifelong nurserymen and landscape gardeners, having had extensive experience both in America and Holland.

The early history was one of "ups and downs" brought about by the disagreement of the owners as to policy. Naturally, the period was not one of advancement for the business.

There was need of a



M. J. Van Leeuwen, Proprietor

settled and progressive policy as to expansion and advancement. The matter was amicably arranged by the dissolution of the firm in the spring 1905 and the sale of the property entire to Mr. M. J. Van Leeuwen, the present owner. From that time the nurseries have experienced a healthy growth and have with rapid strides been developed to a point where the entire acreage is in a high state of cultivation. In anticipation of future growth a ten-acre plot has been

recently added to the holdings. Such is a brief summary of the nurseries to date.

The owner, Mr. Van Leeuwen was born in Holland in 1869. He received a liberal education and early training and experience in floriculture and horticulture in general. Coming to the United States in the spring of 1888, he went to work with the intention of pursuing that line of work and eventually of establishing himself in business.

After a number of years in the employment of a florist and nurseryman, as workman first and salesman afterwards, during which time he acquired ready use of the English language and a detailed knowledge of wholesale and retail conditions in this country, he embarked in the real estate business in Passaic, New Jersey. However, he made it a point always to keep in touch with the line of work in which he had been brought up and was interested. In 1904 he became financially interested in the Continental Nurseries and as stated before, purchased them entire in 1905.

Under the able management of Mr. Van Leeuwen and with the co-operation received from the men employed by him, the forlorn hope which he purchased in 1905 has already gained an enviable name as propagators and growers of every kind of shrubbery, evergreens and hardy plants and the like. They are noted for their yearly importations of azaleas, rhododendrons and a select class of evergreens from Boskoop, Holland.

By renovating the farm buildings and placing them in



A. Vanderbrook, Superintendent



a condition adapted to the nursery business by establishing spacious offices in the main building, by injecting system in its every operation, by the liberal use of printers'



A Fine Block of Populus Bolleara

ink and by enthusiastic perseverance, these nurseries have gained deserved recognition as well as liberal patronage both locally and in many of the eastern and western states. In connection with these nurseries and in charge of an able landscape gardener, a landscape department has been added to its activities. Connections are maintained in many of the principal cities and towns of which Franklin forms a center, where many well-planned and executed plantings bespeak both skill and ability.

Seeking to improve by hybridizing and other

methods certain classes of plants and families, these nurseries have come in possession of a number of novelties which will be introduced to the trade in the near future. Principal among these are a number of variegated foliage plants, so much desired in landscape planting, of which *Berberis Thunbergii* var. Silver Beauty deserves special attention as a beautiful member to a useful family.

The Silver Beauty of which we print a photograph has been described in a recent number of the *Florists' Exchange* as follows:

"During the summer of 1905 and not as the result of a careful 'Burbank-like' plan of creation, but merely as a lucky incident, this variegated-leaved *Berberis* made its appearance in a bed of seedlings of *Berberis Thunbergii*, where its remarkable foliage and compactness caused it to be selected for further experiment and propagation, in the hope of perfecting and adding a new variety to the family.

Often, variegations in foliage which are shown in the seedling disappear entirely by a following year, and it was thought that, perhaps, the same would be the outcome and finish of this little *Berberis*. But, to the contrary, when planted in a rich soil the following Spring, and subjected to conditions which were calculated to return it to the green state of its parent, if there was any tendency to do so, the little seedling broke out from every eye along the previous year's wood with little dainty waxy white laterals, tipped and tinted with a delicate shade of salmon pink, which in turn, as they developed into foliage, carried the same colors with an added penciling of an emerald green; these colors it maintained throughout the Summer and early Fall without any variation or tendency to return green, changing to a decided light purple in the latter part of September.

In the Spring of 1907, by propagation from soft wood cuttings, a number of additional young plants had been gained, each of which in development showed the same characteristics as the mother plant. These were lined out in different locations and subjected to many different soil conditions for a further trial as to the permanency of charac-



Section of Field of *Berberis Thunbergii* Var. Silver Beauty



ter, and Nature produced the most satisfactory results, showing the same points in each case without any variation, excepting that the plants grown in a rich loam produced a sturdier growth.

Another feature of interest, aside from its variegation of foliage and compactness of growth, is a charming berried effect, which it presents when Autumn winds and early frosts have robbed the shrubbery border of most every attraction. It then seems, with its branches thickly covered with almost round coral red berries upon the light purple ground of the turning foliage, more charming than at any other time of the year.

This *Berberis*, unlike many other varieties of the family, is easily grown from matured soft wood, and also from hard wood cuttings, and produces a compact plant of an average of 12 inches to 15 inches high, within two years.

Its many features will make it deserving of a prominent place in the shrubbery border of the future, where it will readily take the place of many variegated foliage shrubs less hardy and more subject to insect pests." J. S. G.

Twenty-one years ago Mr. Kelsey began growing and disseminating beautiful rhododendrons, azaleas, kalmias, galax, leucothoe and rare ericaceae. His Highlands Nursery is today the only large collection of exclusively American plants, in existence. There are over 100,000 rhododendrons and azaleas actually growing in the nursery.

Any reader of Mr. Kelsey's booklet upon "American Hardy Rhododendrons" will become convinced of the character of his knowledge of the plants grown by him. The beauties of the rhododendron are perhaps too well known to nurserymen to justify a description of them here. For landscape effects there is nothing quite so magnificent. Mr. Kelsey's many years spent in raising this plant have made him the American authority on the subject. J. S. G.

### NEEDHAM NURSERY

NEEDHAM, MASS.

The Needham nursery was started twenty years ago by its present proprietor and manager, W. A. Gates. The



At Work in the Nursery Rows of the Continental Nurseries, Franklin, Mass.

### SALEM BRANCH NURSERY AND HIGHLANDS NURSERY

HARLAN P. KELSEY, PROPRIETOR, SALEM, MASS.

The Highlands Nursery is situated in the Carolina Mountains and is at an elevation of 3,800 ft. above the sea. The branch at Salem, Mass., was established in 1904 to supply the New England demand for large specimen rhododendrons, azaleas, kalmias, and other hardy American ornamentals. The hardier hybrid rhododendrons and other ericaceous plants are shipped in carlots, as needed, from the Highlands Nursery in North Carolina. This class of plants is Mr. Kelsey's specialty both in North Carolina and Massachusetts.

Mr. Kelsey's broad-leaved evergreens have earned a reputation for being the hardiest of this type known in cultivation. They are mostly grown as clumps with many stems, often as many as 40 to 50 to the plant. In this respect they differ from the imported varieties, which are usually single stemmed plants.

story of its growth contains an example of fortitude and perseverance rewarded by success. Mr. Gates did not possess a dollar when he started his nursery; the first stock was twelve elm trees. Now, as the result of careful growing and hard work, the nursery has thousands of dollars worth of stock on the twenty acres of land.

The basis of Mr. Gates' selling method is to give every customer a square deal, advertising and agents are not resorted to. A satisfied customer is Mr. Gates' means of spreading his reputation.

There are many lessons that one may gather from the experience of Mr. Gates in establishing his business. He first established an unlimited credit by always paying promptly all debts incurred. This combined with the honesty of the stock sold put the business on the proper footing.

For honest stock and square dealing the Needham nursery has a reputation throughout the state of Massachusetts. J. S. G.



# The National Nurseryman

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Vice-President and Editor, . . . . . JOHN CRAIG  
Secretary-Treasurer and Business Manager, . . . . C. L. YATES

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ROCHESTER, N. Y., OCTOBER, 1909.

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American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.  
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National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.  
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Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kans. secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.

## PARCELS-POST

The *Florists' Exchange* has called for opinions and votes for, or against the establishment of a Parcels-Post. To aid them and the cause, we ask nurserymen having decided views on the matter to write us, or to send an expression of their views to the *Florists' Exchange*, 8 Duane St., New York City.

## ACKNOWLEDGMENT

We are pleased to state that much of the matter in the September issue, a very excellent number, is to be credited to Mr. John S. Gallagher, assistant to the business manager. The editor has been travelling in the east and west during the vacation period and was glad to rest the immediate responsibility of the issue in Mr. Gallagher's hands who has also aided materially in gathering interesting items for the present issue.

## CONIFEROUS TREES

We all enjoyed Mr. Samuel Moon's paper on this subject given at the meeting of the American Association in Rochester. It was timely in that it called attention to a class of trees which landscape gardeners appear to neglect. Landscape architects too often seek quick effects by planting rapid growing deciduous trees. Probably they are catering to the desires of their patrons but the result is at any rate no less unfortunate—the valuable conifer is left out of the planting. We are very glad to give the first installment of Mr. Moon's paper in this issue. It will be completed in the November number. The comments on the various species may be looked upon as authoritative, for the author has made a life-long study of this noble group of trees.

## FELLOWSHIP

It is time to rejoice when one hears a plea for more good fellowship in business coming in a straightforward and vigorous manner from a business man. The sound is pleasing and the thought inspired leads to an optimistic view of American progress. One may look long and hard to find a finer set of men than those represented by the nursery interests of this country—Mr. Mayhew's speech is an indication of the type. Yet why is it that among the people at large nurserymen generally are spoken of as dishonest? Is it not partly that one seldom hears them deliver themselves of sterling sentiments such as Mr. Mayhew has set forth? First fellowship among nurserymen and then confidence among the people towards the nurserymen. The one follows the other. Have faith and charity towards your competitor and the public will have trust in you.

## BIRDS AND FRUIT

While we, in this country are considering ways and means for the better protection of our birds so that they may rid our plantations of injurious insects, English and European gardeners are constantly met with the problem of how to protect their cherries and bush fruits from the incursions of these very birds. In



visiting gardens almost within the environs of London, one is astonished to find gooseberries and bush fruits, gardens and cherry plantations enveloped in a great canopy of bird netting, and the visitor is told that this precaution is absolutely necessary to the preservation of the fruit. Whether it is better to destroy the birds and fight the insects or whether it is more desirable to let the birds eat the insects and then for the grower to protect against the birds, is a question which has been before the English cultivator for a good many years.

#### THE LOGAN BERRY IN ENGLAND

When visiting some of the nurserymen in Surrey, England, last summer, we were very much surprised to find that one of the varieties which was high in favor at the time and which appeared to have secured a permanent foothold in the plantings of amateurs as well as the commercial gardeners, was the Logan Berry of the Pacific Coast. It appeared to be highly appreciated and to have found its ideal situation. The relatively cool and somewhat moist atmospheric conditions seemed to suit it admirably, and nurserymen informed us that there was a keen and increasing demand for plants. It struck us as somewhat peculiar that the berry appeared to be popular with the consumer for it is generally considered that the English consumer is somewhat discriminating. Except on the North West Pacific Coast, we do not know of any place in this country where the Logan Berry seems to have made good.

#### MASSA- CHUSETTS

As far as records show, the honor of commencing fruit growing with the nursery business as an adjunct must go to the Bay State. Governor John Endicott of the Massachusetts colony was perhaps one of the few fruit growers of his time and grew many trees. Writing in 1644 to John Winthrop he says "My children burnt mee at least 500 trees this Spring by setting the ground on fire near them"; In 1648, he traded 500 apple trees, 3 years old, for 250 acres of land. Trees were evidently comparatively more valuable and land less valuable than now. This trading of trees marks Governor Endicott a nurseryman in our understanding of the term. To another state, however, belongs the title of starting the first important independent nursery. Still Masschusetts may lay claim to the setting in motion of the influences that created a demand for nursery stock.

#### THE CEDAR OF LEBANON

It is a pity that this magnificent and picturesque tree was not introduced into New England and the Virginias earlier in the history of our country. One of the most striking objects in British landscapes at the present time, often found in the private parks surrounding old mansions, is the Cedar of Lebanon, *Cedrus Libani*. In the Valley of the Thames, one finds the handsomest and oldest specimens of this historic tree. The writer made a photograph of a fine tree near Obington in Surrey, some fifteen miles out of London. The specimen was supposed to be about two hundred years old

and was planted by an arch-bishop of London on the ground of the bishopric, probably soon after the introduction of the tree to Briton.

Mr. Jos. Meehan is authority for the statement that the Lebanon Cedar is hardy in Pennsylvania. The experience seems to be that after the trees become established they will withstand the climate of Long Island and Eastern Pennsylvania, but that during the early periods of their life they are subject to injury from winter killing and sun scorching.

#### NATIONAL APPLE SHOW

Everyone recalls the great success which attended the introduction of a new type of exposition at Spokane, last December. This was a specialized enterprise and for the particular purpose of emphasizing the standard fruit of the Northwest Pacific, the apple. Although the project was an ambitious one and attended with many difficulties, it was carried out with great success, and we are interested in noting that the success of last year has stimulated the promoters of this show to the organization of another one on an even larger scale, to be held in the same town the coming autumn. Preparations have been underway for some time, which, it is said, will culminate in the greatest apple exhibition ever held. We have just returned from an extended trip through the Northwest Pacific, and are ready to believe that our friends of that region will make good in the carrying out of any reasonable undertaking. We shall, therefore, look for an exhibition instructive and extensive.

It is expected that this institution will become a permanent one and the place of meeting for the exposition of 1910 is already being considered. Chicago has an eye on the project and, it is possible, may secure the exposition. But why should not Rochester, the center of the great apple industry of western New York, be equally interested? Rochester has all the requirements and facilities for the holding of a magnificent winter display of apples. In our judgment the time has arrived when the eastern fruit growers should be up and doing.

#### CITROUS FRUITS CONSUMED IN NEW ENGLAND

To show the influence of transportation together with the consuming ability of the city and small town, one but needs to know that 2,500 cars of citrus fruits are disposed of annually in the New England states. The demand for oranges, lemons and grape fruit (*Pomolos*) is steadily increasing.

#### P. R. QUINLAN'S CARNATION HOUSE

One of the finest Carnation houses in the country has been recently erected by P. R. Quinlan, of Syracuse, N. Y. This house covers an area of 200 by 100 ft., and is filled at the present time with the following varieties, all planted in solid beds: White Perfection, White Lawson, The Queen, Enchantress, Pink Enchantress, Mrs. T. W. Lawson, Marchioness, Apple Blossom, Winsor, Mrs. Patten, Bay State, Harlowarden, Beacon and others.



## SOUTHERN NURSERYMEN'S ASSOCIATION

Eleven years ago the Southern Nurserymen's Association was organized in Chattanooga, Tenn., with the object in view of bringing together the nurserymen of the South for discussion of all questions of interest, to exchange ideas, and to learn from one another means of confronting problems. During this time the Association has accomplished much along the line of its purpose.

The eleventh annual session was held at Huntsville, Ala., August 18-20. The first session came on Wednesday morning, at 9:30. About sixty nurserymen were in attendance. So great was the interest and enthusiasm that two extra night sessions were held.

The entertainment features were enjoyable and enjoyed. On Wednesday afternoon, the plant of the Fraser Nursery Company was visited and inspected. Next the Alabama



H. B. Chase,  
Retiring President

men of Huntsville. The meeting is conceded to have been the most profitable and enjoyable ever held.

The next place of meeting will be Knoxville, Tenn. The election of officers resulted in R. C. Berckmans, Augusta, Ga., president; W. A. Easterly, Cleveland, Tenn., vice-president; A. J. Smith, Knoxville, Tenn., secretary-treasurer.

J. S. G.

## Obituary

### EDWIN JAMES SEAGER

Edwin James Seager, brother of George C. Seager, Secretary of American Association of Nurserymen, died at the home of his brother, Charles S. Seager, Rochester, N. Y., Saturday, September 11. Mr. Seager was well known to many nurserymen though his business was with the Connecticut Mutual Insurance Company, having charge of the Rochester office. In business he was eminently successful, and his success was mainly due to his integrity, energy and genial personality.

Mr. Seager was born in Phelps, N. Y., August 29, 1863. His education was obtained in the schools of that place and Syracuse, and later at the University of Rochester. For a time he associated with a local newspaper but in 1889 engaged in the insurance business.

He leaves one sister, Mrs. John C. Gifford of Phelps, N. Y., and



Ready for the Inspection. Southern Nurserymen's Convention

Division of the Chase Nursery Co. (formerly the Alabama Nursery Co.), received the visiting nurserymen. On Wednesday night, the visitors and their wives were entertained at the Huntsville Theatorium through the courtesy of the Fraser Nursery Co. Thursday afternoon, a barbecued dinner was served by the Chase Nursery Company in "Hickory Grove" at Chase Station, five miles northeast of Huntsville. It was a real old Southern barbecue with "all

the trimmings." After the dinner the new plant of the Chase Nursery Co. received the attention of the guests. On Friday morning the Huntsville Wholesale Nurseries, eleven miles north of the city were visited and inspected and a delightful luncheon was served. This was followed by the Report of the Resolutions Committee and final adjournment. Every nurseryman who attended was grateful for the delightful time accorded him by the hospitable nursery-

men of Huntsville. The meeting is conceded to have been the most profitable and enjoyable ever held. The funeral took place from the residence of George C. Seager, Monday, September 13, at 12 o'clock.

### EDWARD OLIVER GRAHAM

Edward Oliver Graham, for many years identified with the nursery business in Western New York, died at Cazenovia, September 6, 1909. He began business in Rochester with the firm of Chase Brothers and advanced until he became head of the Graham Nursery Company. Failing health caused him over a year ago to buy a farm near Cazenovia and engage in farming.

Mr. Graham was born in the town of Whitby, Ont., on April 24, 1858. After teaching school a number of years as a young man he removed to Rochester and became associated with the nursery business. He was a congenial companion, and splendid business man. He was the embodiment of good nature and honor. The funeral was held Thursday morning, September 9, from the Universal Church, Rochester, N. Y. The burial was at Mt. Hope Cemetery in the same city.

### VICTOR DETRICHE

We regret to announce the death of Mr. Victor Détriché of Angers, France, well known to many nurserymen in this country. The deceased was in his fifty-fifth year. The funeral, took place at the Pontsde-Cé Cemetery on the 7th of September.



R. C. Berckmans, President,  
Augusta, Ga.



## EVERGREEN CONIFERS.

By SAMUEL C. MOON. Pennsylvania

The aim of this paper shall be to encourage a more general planting of evergreens about rural and suburban homes and an enlargement of the number of species used for this purpose. I have no new varieties to exploit and no new discoveries to advance but simply wish to reiterate and emphasize the statement that the rural homes of our country need more evergreen trees about them.

The proof of this statement must be conspicuously evident to observing persons who travel about. A farm house or country home without a touch of greenness about its surroundings in winter, lacks an important element of rural beauty. Another very important need for evergreens, particularly on the exposed quarter of a country home, is the protection which they afford as wind-breaks. The economy and comfort which such a barrier affords is not sufficiently appreciated. Fifty years ago the conifers that were planted about farmers' homes were limited to about ten species, viz.: Austrian, Scotch, and White pines, Norway and Hemlock spruces, Balsam fir, American and Siberian Arborvitæ, larch and deciduous cypress. These were good and useful,

### KINDS RECOMMENDED

Among the conifers to be recommended for ordinary planting I would include at least 50 species. These recommendations are based upon experiences and observations met with in south-eastern Pennsylvania and will no doubt differ somewhat from the results observed by those of larger experience. Long acquaintance with some of these species may cause a modification of opinion regarding them, but, as I know them at present they are all giving satisfactory results in suitable locations.

*Abies concolor*, or White fir, of the Pacific slope, is one of the newer conifers conspicuous by its long, light colored foliage and the light or yellowish bark on the young branches. It forms an elegant specimen and appears to be well adapted for general cultivation. It is rapidly increasing in popularity and is being planted as rapidly as good plants can be produced. Seedling plants vary considerably in shade of color; those with a bluish tint being especially valued although all shades of them are attractive and desirable.

*Abies Nordmanniana* or Nordman's fir, is one of the most



Southern Nurserymen enjoying the Barbecued Dinner served by the Chase Nursery Co.

and in the vicinity of ornamental nurseries they were planted more or less extensively, but there is a large field for missionary service on the part of nurserymen who employ traveling salesmen in exerting themselves to push the sale of such trees and benefit mankind and our country thereby. I am not now arguing for the improvement of the lawns and large estates of wealthy land owners. Landscape designers and engineers take care of these and are probably doing their work fairly well. But the multitude of country home owners who are neither very wealthy nor very poor, who do not consult landscape gardeners and who have not had their attention called to some of their own needs nor learned to appreciate them, require the sympathy, encouragement and assistance of the nurserymen. Every nurseryman who raises ornamental trees for sale, should have himself or else have in his employ one who has some knowledge about the simple arrangement and planting of home grounds and it should be his duty and his pleasure to freely assist his neighbors and patrons with suggestions in such lines, as occasion is presented.

difficult plants to manage while young, and when well grown, one of the finest conifers. I am unable to explain why the terminal buds are so liable to injury or why it is so difficult to develop a new leader when necessary but these peculiarities and its impatience about being transplanted render it an uncertain subject, requiring especially careful treatment at all times; but the magnificence of well grown plants justifies an extra amount of care, labor and risk being bestowed upon it. Its persistent tendency to send down deep tap roots renders frequent transplanting necessary and unless they are moved every two or three years, plants are of little value when transplanted. Severe pruning of side branches is recommended but never of the terminal shoot. It is to be regretted that in some localities its foliage is occasionally browned by winter but in the vicinity of Philadelphia, in favorable situations, it is one of the choicest ornaments of a lawn.

*Abies balsamea*, our common Balsam fir, *Abies ferzeri*, the Carolina Balsam fir, *Abies Veitchii*, a Japanese species; *Abies Siberica*, better known as *Abies pichta*: *Abies Cilicica*



from Asia Minor; are five fine dark green species of erect and slender habit, bearing some resemblance to one another and all of them well adapted for limited areas where there is not room for wide spreading species. All get thin in their lower branches after a few years and thus lose much of their attractiveness. They are more useful in the hands of experienced planters for producing special or formal effects than they are for general planting although *Balsamea* is one of the best cheap, rapid growers for use as temporary nurse plants or fillers in new plantations. *Cilicica* and *Siberica* transplant quite easily, but they start growth so early in spring that their available season is much shorter than that of most other conifers.

*Abies cephalonica*, from Greece is another magnificent aristocrat among its congeners. The short leaved, dull green seedlings of this species as imported from Europe are very inferior to some of the best specimens seen in this country which have much larger, stiffer foliage of a glaucous shade and are in every way much finer. But grafted plants of these are difficult subjects and slow to develop into good specimens. For this reason good plants are scarce and high

be hoped a remedy can be found, for it would be a great loss to be deprived of the Norway spruce.

There are several fine varieties of *Picea excelsa* possessing the good qualities of the typical form with interesting variations. The pendulous form known as Wales weeping, with erect trunk and long, horizontal branches with pendulous branchlets and *alata*, another variety of similar character but with pendulous branchlets longer and more slender than the Wales, are both very effective. The weeping form known as *inversa*, or more frequently called *inverta*, is a freak, liable to assume almost any sprawling shape and while very effective when appropriately introduced, is not of general adaptability for ordinary surroundings.

In *Picea excelsa aurea*, the new growth is of a fine golden hue for about one month and is then very showy but this color soon changes to the normal green which differs but little from the type.

*Picea excelsa compacta* and *Gregoriana* form compact little bushes larger in diameter than in height and are very useful for small yards and formal gardens where an evergreen that will stay small is needed.

A LIVE MEMBER FROM  
**SOUTHERN NURSERYMEN'S ASSOCIATION**  
 HUNTSVILLE, ALABAMA, AUGUST 19, 1909

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**CHASE NURSERY COMPANY**

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All Charges Paid Chase, Alabama

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OFFICIAL CERTIFICATE

TO WHOM IT MAY CONCERN:  
 THIS IS TO CERTIFY, That I have carefully inspected the Southern Nurserymen assembled at Huntsville and do find them a husky bunch, fully equipped mentally and physically for their strenuous life. I find no hayseed sprouting in their hair and they all have their eye teeth cut.

At the present time I find many of them are suffering from Hungerata Wantoeta and attached hereto will be found a formula for this trouble, which if properly applied will give at least temporary relief.

R. S. MacIntosh  
 State Horticulturist



**Chase Nursery Company**  
**Chase, Alabama**

DEAR BOYS:

Please enter my order for the following goods:

- One large portion Barbecued Pig, a la Stegall.
- One large portion Barbecued Lamb.

Please see that this is not overgrown and under no circumstances substitute Mutton.

Include with the above enough assorted green stuff to fill full size case which I will furnish.

Also prepare the following for pudding and packing:

- Iced Tea, Lemonade and any other Liquid Material which will pass Inspection in ALABAMA.

Have ready for me on your grounds at 2:30 P. M. August 19. I will attend to packing.

Kindly give this order your unusually prompt attention. See that the goods are well roasted and true to label and strictly up to grade. If this trial order pleases me I will come again.

Very truly yours,  
 SOUTHERN NURSERYMAN.

The Unique Menu Card at the Chase Nursery Co.'s Dinner

priced but the increased culture of them should be encouraged.

Turning to the *Piceas* or spruces: For the past 100 years Norway spruce has been, perhaps, more generally planted in the eastern United States than any other conifer and has been of great value. Within the past ten years and more conspicuously within the last five years, many large and flourishing Norway spruces have unexpectedly shown signs of decline and after lingering for a few years, die. Small patches of dead or brown spots appear on the leaves, giving a rusty and unsightly appearance to the tree, until many of these leaves finally drop either that year or the next, leaving the tree thin or naked looking. Small twigs and larger branches continue to die piecemeal until finally the whole tree is dead. I have heard poverty of soil, smoke and gases with which the atmosphere is charged by the ever increasing consumption of coal, fungus diseases, etc., attributed as the cause of this disorder, none of which appear an entirely satisfactory explanation and I do not know that it has been clearly demonstrated just what is the cause of the trouble. It is a condition greatly to be regretted and for which it is to

*Picea polita*, the tiger tail spruce from Japan, is a hardy, dense, symmetrical plant of moderate growth with stiff, sharp pointed leaves and is very desirable for lawn specimens in grounds of moderate size. It may possibly attain a height of ten feet in twice as many years. It is in my grounds, the latest evergreen to start into growth in spring a characteristic which sometimes makes it very convenient in supplying the needs of belated planters and it can be safely recommended for ordinary locations.

*Picea orientalis*, the Eastern spruce from Asia Minor is a gem of this genus with much to recommend and nothing to disparage it for general use in almost any position. Elegant enough for the finest park and neat enough for the humblest cottage and withal hardy enough to stand uninjured in cold, bleak situations where the leaves are blown off of Norway and Hemlock spruces and they reduced to skeleton. Eastern spruce and Nordman's fir are indigenous in the same forests in the Caucasus and they seem particularly suitable companions for associating in ornamental planting, the compact symmetry and elegance of habit of each harmonizing admirably and the distinctive shades of green contrast-



ing with equal effectiveness. These two with the addition of the silvery blue foliage of *Abies cephalonica*, *Abies concolor* or *Picea pungens glauca* form a trio of rare effectiveness.

*Picea pungens*, or Colorado spruce, in its various shades of green and blue finds much favor and the choice blue specimens are admired by most persons who see them although some seem to prefer the green shades as being more natural and more in conformity with their ideas of what an evergreen should be. It is favorable for nurserymen that it is so, else we might be burdened with a surplus of green spruces left on hand. It is easy to graft *Picea pungens* on the Norway spruce but it requires years of patient care in staking and pruning to get them into straight and symmetrical trees. The name of the Holland nurseryman, "Koster" has been associated with Colorado Spruce until it is looked upon by some planters as an almost essential appendage to a true blue tree. Koster, however, is not the only desirable type and there are thousands of splendid plants in the country with the rich blue sheen and long, massive foliage which are not of the Koster strain.

(Concluded in November issue.)

#### IRIS MANUAL

Mr. C. S. Harrison, proprietor of the C. S. Harrison Nursery Co. and president of the Nebraska Park and Forestry Society is author of "The Iris Manual" a booklet of thirty pages, well illustrated, and giving a description of the different varieties, their classification, and directions for propagation and cultivation. The publishers are C. S. Harrison and S. H. King, York, Neb. The price of the book is twenty-five cents.

#### FROM HOLLAND

Groenewegen and Zoon, De Bilt Bij Utrecho, Holland, under recent date write: "We find your paper a very good medium for nurserymen and though there is a lot of literature received every month we always pay special attention to the NATIONAL NURSERYMAN."

## Fruit and Plant Notes.

#### PECANS FROM SEED

T. V. Munson, the well known nurseryman of Denison, Texas, raises the question in a recent issue of the *Nut Grower* as to the possibility of securing a fixed race of pecans. He gives instances showing the fixity of certain types when grown from seed. It seems to us that this would depend entirely on whether the variety became intercrossed or not. If it could be grown in such a way as to obviate the possibility of natural fertilization, then we might look for a pure bred variety, but if grown in the vicinity of other varieties we see no reason why intercrossing should not take place; and if this occurred, naturally the hybrids would show in the second generation.

#### THE ROSE ORLEANS

Of the three new creations offered by the Levavasseur nursery, the Rose Orleans is the most striking and wonderful. It is interesting in explaining it to record the impression it has made upon those fortunate enough to have seen it. Mr. August Rolker states that on recently visiting the nurseries at Orleans, France, as he drew near to the field containing the Rose Orleans the effect to him was that of a sea of clear pink. The rose grows to a height of two feet and has immense flowers of solid color. This explains the wonderful sight afforded by seeing a whole field of them. The remarkable character of the rose lies in the quality of the color which is always fresh, delicate and enduring.

The Rose Orleans flowers all summer and holds its color to the last. W. R. Oldham of the Windlesham Nurseries, W. Fromow and Sons, having seen the rose speaks enthusiastically of it. In June of this year, a commission of five florists and nurserymen of Orleans was named by the Horticultural Rose Society of Orleans and the Loiret to judge the new rose. As a decision the commission advised that a Gold Medal, the highest award, be given Messrs. Levavasseur & Sons for the Rose Orleans.

Those interested in the new rose are introducing it strictly on its merits. It is a novelty, but one that deserves and will receive thorough investigation from up-to-date nurserymen. In their advertisement, Levavasseur & Sons describe the rose more fully. The American representative is August Rölker & Sons, 31 Barclay Street, New York City.

J. S. G.

#### ACCIDENT TO NURSERYMAN

Shortly after noon on September 3, N. W. Uhl, nurseryman, Dansville, N. Y., met with an accident and barely escaped with his life. Mr. Uhl was driving in a single rig and as he drove his horse onto the D. & M. track he saw that a freight train was coming towards him. There was neither time to slacken the speed of the engine, nor for Mr. Uhl to cross the track or retrace his course. A crash was inevitable. Mr. Uhl saw the situation at a glance and sprang from the buggy. The same instant the engine struck the horse hurling it from the track, the animal and buggy being thrown across Mr. Uhl's chest and legs. It was from this cause that he received severe bruises. The horse was instantly killed and the wagon more or less damaged. Mr. Uhl is recovering and soon will be as well as ever.

J. S. G.

#### CARD OF TARIFF RATES

McHutchison & Co., New York have favored their customers with a placard giving the new official tariff rates effective August 5, 1909, in condensed form. For some time to come, this card will be invaluable. Its issuance shows the progressive spirit prevailing among many prominent nursery firms and how they are serving their customers.

#### PECULIARITY OF THE NEW TARIFF

Mr. Thomas B. Meehan, of Dresher, Pa., calls attention to a peculiarity of the new tariff law as regards duties on seeds for the nursery. In another part of this issue explanation is made.



## Business Movements

R. C. Peters & Sons, Ironshire, Maryland, have decided to discontinue the nursery business and have sold their entire nursery stock.

The Ellis County Nursery Company, Waxahachie, Texas, has been incorporated and the name changed to the Southwestern Nursery Company, the new company absorbing all the interests of the old.

The capital stock of the Kentucky Nursery Company has been increased to \$40,000.

H. B. Chase spent ten days at Atlantic City, September 1-10.

As reported by the *American Florist*, Peterson's Nursery, Chicago, has just organized its landscape work into an entirely separate department under the management of B. S. Gage, with J. L. Hewett, superintendent, in personal charge, with a corps of 35 gardeners.

English journals report the awarding to Hugh Dickson of the Royal Nurseries, Belfast, Me., of two gold medals by the English Rose Society for Countess Maftesbury and Lady Pirrie, new varieties.

The firm of W. Campbell, Penticton, B. C., has been changed to Campbell & McCall of the same address.

W. L. Coukerski, landscape gardener and nurseryman of Grand Rapids, Mich., is taking steps to become a florist as well.

Mr. August Rölker of New York City, spent a few days in Rochester the last week in September. His constant good humor and congeniality made him a delightful guest for the NURSERYMAN office. His description of the nursery of Levavasseur & Sons, which he recently visited, were extremely entertaining.

E. F. Perry and H. E. Brown of North Yakima have bought the Parker Heights nursery formerly conducted by H. E. Angell. The new owners have taken possession. The purchase price was \$5000.

Mr. Brown is an experienced nurseryman, having been for some time connected with the Sunnyside Nursery company. He is a son of J. M. Brown, former district fruit inspector of Yakima county. Mr. Perry is a fruit shipper of North Yakima.—*Washington Fruit Grower*.

A. J. Fish, 279 Palmer Street, New Bedford, Mass., a florist and nurseryman by trade, is building a new propagating house on his grounds.

A. Woodward Stephens, of Hebron, Ohio has moved to Lewisburg, Pa.

H. G. Benchhuygen of Dundee, Ill. has moved to Western Springs in the same state.

Reasoner Brothers, Oneco, Fla. were the first to record an opinion on the Parcels Post in the *Florists' Exchange*.

The Dean Nurseries, Shelbyville, Mich. report that this has been a fine season for growing stock in that section. There was plenty of rain and the potato crop is the best in years. The apple crop is about 40 per cent of a full crop; pears about the same with the exception of Keiffers which are a full crop.

# A P H I N E

## The new insecticide discovery which kills plant lice of every species

**CHARLES H. TOTTY Says:**—"Aphine will do all you claim for it and more."

**COLLIER'S Says:**—"Aphine has a future as wide and long as the United States."

**THE AMERICAN FLORIST Says: Sept. 18, 1909**

So many "killers" have from time to time been heard from that we confess to having developed a strong disposition to be shown just what they will kill. A representative of the American Florist had recently an opportunity of witnessing a number of interesting tests with "Aphine" at Chas H. Totty's greenhouses, Madison, N. J. The tests were made by Geo. E. Talmadge in the presence of Mr. Totty, Wm. E. Tricker, his foreman, and the writer. Orchids affected with scale, grape vines, in which mealy bug had obtained a hold, and black and green aphids on chrysanthemums and roses were all treated. The solution was applied with a small sprayer. We can say for this preparation that, "it does the work," and it is so far from doing any damage to the plants that the foliage soon takes on a better color after it has been applied. The results of these tests show that there is an insecticide on the market that is effective and that is easily and quickly applied at a comparatively small cost. The day after these tests were made, Mr. Totty, whose reputation for fair dealing is unquestioned, said:

"I have nothing but praise for the new insecticide 'Aphine' that we tested yesterday. The scale on the calanthes and cattleyas was all dead when examined through a glass this morning, and the plants are not injured in the least. The mealy bug was likewise wiped out where the mixture touched it. If Mr. Talmadge will maintain a uniform quality in his product, he will have an enormous sale, for it is unquestionably right every way."

**THE FLORISTS' EXCHANGE Says: Aug. 19, 1909**

"It is not very often that any new enterprise receives such an impetus at the very start as the newly exploited insecticide Aphine has. We have been told on what would seem to be the very best expert authority that this preparation is a very excellent thing."

**THE FLORISTS' REVIEW Says: Aug. 21, 1909**

"The demand for Aphine, the insect-destroying discovery, is widespread. Its endorsement has been remarkable. An unsolicited editorial in *Collier's Weekly* is especially strong in its behalf and Arthur Herrington, Albert M. Herr, Louis A. Noe, Brant-Hentz Flower Company, August Belmont and the entomologists, J. B. Smith and E. B. Southwick have much to say as to its efficiency."

**HORTICULTURE Says: Sept. 4, 1909**

"We hear some splendid reports concerning the new insecticide, Aphine. Eminent gardeners and entomologists have already been quoted in strong approval of its efficiency."

A spray—1 part Aphine, 40 parts water.  
Two dollars and fifty cents per gallon.

**GEO. E. TALMADGE, Inc.**

MANUFACTURER

Madison

:-:

New Jersey



The Alabama Nursery Company, of Huntsville, Ala., has changed its address to Delta, Colorado. The nursery has "moved" there.

The City Forester of Providence, R. I., is establishing a small nursery to supply the needs of the city.

Storrs and Harrison, Painesville, Ohio, made a good display of trees, shrubs, phlox and the like at the Ohio State Fair, at Columbus, Sept. 1-7.

Mr. G. R. Elliott of the G. R. Elliott Co., nurseryman and florist, was seriously injured by a burglar not long ago. Mr. Elliott was shot three times but will recover.

## Correspondence

### A RESUME OF THE SEASON AT DANSVILLE

DANSVILLE, N. Y., August 6th, 1909..

ED. NATIONAL NURSERYMAN,

SIR:

We have had a very dry season at Dansville and I am confirmed in my opinion that a dry season, with intensive cultivation, stirring the soil frequently and only deep enough to thoroughly remove the surface, is better from a grower's standpoint than a wet season with its attendant evils of weeds, trees dropping their leaves and the difficulty in coping with insect foes. Cherries and Standard pears like a dry soil and we have a better growth this season than we have had for several previous years. We have been singularly free from insect pests and blights this season. While we looked over our trees and dipped those showing signs of becoming infested with aphids in a solution of sulpho-tobacco soap, it was done with a purpose of prevention as at no time did the aphids become troublesome or numerous. When blight appeared we cut it out and burned it.

In the matter of fertilizers we have never found any food as good as stable manure for fruit tree growth, and we use it plentifully, generally, however, as a top dressing. All weeds in nursery rows are kept down by frequent cultivation by horse and hand. Our aim is to secure a lengthy continuous growth during the forepart of the season by planting trees in soil adapted to their specific needs and assisting nature to the best of our ability by making all conditions favorable to attain the result desired.

We grow fruit trees, cherry sweet and sour, standard and dwarf pears, apples, plums and quinces, for the wholesale trade. Stock is being closely bought up in this locality, especially apples and plums, and we think everything will go, for as you know we have an unexcelled reputation for growing splendid trees here that will easily stand the shock of transplanting. Then there is no San Jose Scale. The latter feature alone should send trade to Dansville sufficient to use up all surplus unbought stock.

Sincerely,  
FRANK M. HARTMAN.

## SHERMAN NURSERY COMPANY

CHARLES CITY, IOWA.

Large Growers  
of

**HARDY STOCK**

In the  
Northwest

Over 20,000,000 Evergreens in stock, 1,000,000 Grape, 5,000,000 Apple, and 100,000 Plum are counted among our assortment this year. We are also extensive growers of a general line of Hardy Nursery Stock.

AGENTS WANTED

### CARBOLINEUM

Indorsed by U. S. Department of Agriculture

ITS USES IN THE NURSERY ARE MANY

Preserves Wood and Protects FRUIT and SHADE TREES

COMPLETE DETAILS IN OUR BULLETIN 26 MAILED FREE

**CARBOLINEUM WOOD PRESERVING CO.**

341 West Broadway, New York

AMERICAN  
EVERBLOOMING

**HYDRANGEA**

1 and 2-year, strong  
Sugar Maple, transplanted. Peonies in all best sorts. Anchusa Dropmore.  
Fankia Alba. German Iris, 20 best sorts. Hemerocallis 5 fine varieties.  
50,000 Lilies. Phlox, named. Gladioli, 100 named var. Tritoma Pfitzeri,  
Dahlias, Oxalis, Etc.

**THE E. Y. TEAS COMPANY, Centerville, Ind.**

California Privet

Fruit and Shade Trees

Evergreens

**SAMUEL C. DE COU**

Moorestown, Burlington County, N. J.

## PAEONIES

15 ACRES SOLID PAEONIES

OUR 16TH YEAR

PRICES RIGHT

SEND FOR LIST TODAY

**GILBERT H. WILD, Sarcoxie, Mo.**

## PEAR TREES

GOOD STOCK OF 2 YEAR  
STANDARD PEARS

Bartlett, Clapps, Flemish, Duchess, Kieffer, Seckle, Worden  
Seckle, &c. Also Bartlett and Duchess Dwarf

Write for prices, stating quantity and caliper required.

**G. S. PICKETT & SON, Clyde, Ohio**

## CATALPA SPECIOSA Seedlings

LARGE OR SMALL LOTS

**BLACK LOCUST SEEDLINGS**

Please let me know your wants

**J. A. GAGE, Fairbury, Nebr.**

## CALIFORNIA PEACH PITS



It is a well known fact that California peach pits produce fine, healthy seedlings. We are prepared to offer special inducements on pits in carload lots, and less if desired.

WRITE FOR SAMPLE

Address, **FANCHER CREEK NURSERIES**

**GEO. C. ROEDING, President and Manager**

Box 1310. Fresno, California



## AN EXPERT ON QUINCES

ED. NATIONAL NURSERYMAN,  
Rochester, N. Y.

Dear Sir:

I have your favor enclosing copy of letter from Mr. Craig on the Portugal quince. My trees were purchased about 55 years ago from Prince, of Flushing, N. Y. There are other trees in this section. In "Downing's Fruit and Fruit Trees of America," it is spoken well of in editions of 1836, 1847 or 9, and 1860. This is as late as I have. Prof. H. E. Van Deman wrote me lately that he had known it for 40 years. I have sold the fruit at \$2.00 per 100 wholesale, and it is free from many objections possessed by the "Orange," "Apple" and "Pear" varieties, nor would I plant these as a gift. The "Portugal" does not winterkill here any more than "Apple" does and while it may not have *always* as many quinces yet the crop it does have is practically sure to bring much more money and be better every way as to quality, size, etc. Now, perhaps, you can inform me of any other variety that may equal it, as Rheas Prolific for instance, or, others good quality and where I can get them. What sort is the "Van Deman," said to be superior to, "Borgeat" by those who have raised both? Could you insert a query in your journal for "Portugal" trees for me?

Yours,

R. D. WAKEMAN,  
Southport, Ct.

## VERY NICE TESTIMONY

ED. NATIONAL NURSERYMAN,  
Rochester, N. Y.

We write you a line to inform you that we took your advice in regard to the block of apples being undersize and used the Nitrate of Soda in the way you advised, and we want to say it worked wonders; that block is just as fine as we have in our nursery at this time. We also want to congratulate you on the splendid paper you are putting out. We could not do without it.

WEST BROS.  
Damascus, Ohio.

## TRANSPORTATION MATTERS

The following interesting letter published by courtesy of Stark Bros., Louisiana, Mo., throws light on the duties and possible value of a traffic agent:

While at Charlevoix, Mich., I had a conversation with the General Freight Agent of the Union Pacific Railway, regarding the relatively higher rates on nursery stock to the Pacific Coast and Northwest, as compared with the rates from that territory to the East. He said he would look into the matter on his return to Chicago, suggesting further that we take it up with the Chairman of the Transcontinental Freight Bureau, which we did on July 29th. In addition to this, I also wrote each member of the committee, calling their attention to the fact that we could ship from Pacific Coast terminals and intermediate points to the East for \$2.20 per cwt. L. C. L., but going into the same territory we were compelled to use L. C. L. rate of \$2.20 to the nearest terminal and local rate beyond, which makes rates anywhere from \$2.35 to \$3.50 per cwt. and sometimes higher.

## Wanted --- Manager OF SALES DEPARTMENT OF NURSERY

One who understands advertising and management of Salesmen, and can furnish \$5.000 either on a salary or commission basis.  
REFERENCES REQUIRED AND GIVEN

S.---Care NATIONAL NURSERYMAN

**FOR SALE** The Shiocton Nurseries and Fruit Farms. Established 1886. Both Agent and Mail Order Business. Stone Storage and Packing House one-half mile from Depot. Will sell right; small payment down, balance on time. This is a splendid opportunity for a nurseryman or fruit grower, and will pay for itself in two or three years. For particulars address Norman G. Williams, Shiocton, Wis.

We offer a few thousand

## NORWAY MAPLES

Strictly No. 1, 8 to 9 feet; 1 1/4 to 1 1/2 Caliper. Very straight and Smooth; also 3,000 Schwedleri Maples, same grade. 200,000 cuttings of Laurel Leaf Willow, one year wood, 9 inches long, to be made during winter.

E. FERRAND & SON, 379 Vinewood Ave., Detroit, Mich.

## NOTICE TO ALL NURSERYMEN

I have a limited amount of packing moss which I am offering to the Fall trade at a cut price. It will pay those who are in need of same to send in their order at once. Remember the price is right.

Yours respectfully,

BERT MITCHELL, Mather, Wis.

## PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED, crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,  
4th Ave. & Clinton St., BALTIMORE, MD.

## CAL. PRIVET AND BERBERIS THUNBERGII--Specialties

WRITE FOR LIST

MARTIN H. MUSSER, Grower

38 Cottage Ave., - - - LANCASTER, PENN.

## WANTED---Clematis Coccinea

State lowest price per 10,000, sending sample to the  
ROYAL TOTTENHAM NURSERIES, Ltd.

Deedemsvaart, Holland

## PEACH SEED

1909 NATURAL

Write for Sample and prices.

THOS. R. HAMAN, 1614 E. Oliver St., Baltimore, Md.



Clematis Paniculata, 1 and 2 years; Barberry Thunbergii, seedlings; Ibota Privet, (upright form) 1 to 3 years; Ibota Privet, (drooping form) seedlings; Lilac Villosa, seedlings; Golden Syringa, 15-18 inch, 18-24 inch; Phlox Coquilicot, trong plants : : : : : : : : :



& Co., of New York City, is the best thing to use as a general reference. Another book, under the title of "Plant Culture" by Goff, published by the University Press of Madison, Wisconsin, treats this subject more generally and deals with the broad principles. "The Nursery Book," however, gives you the details of the various methods of propagating fruits and ornamentals.

We would suggest in addition that it might be well for you to attend a winter course in Agriculture at one of the western colleges of Agriculture, perhaps in Idaho or Washington.—ED.

### A QUESTION OF GEOGRAPHY

ED. NATIONAL NURSERYMAN,

Dear Sir:

Will you please give me your opinion as to where, everything considered and other things being equal, is the best locality to secure nursery stock for this territory from? That is, would you recommend New York, Michigan, Missouri or homegrown stock, or has it been well established that stock from one locality is superior to or thrives better than that from another locality?

Who will answer?

Illinois.

F. F. F.

## Societies

The eight annual convention of the National Nut Grower's Association will be held at Albany, Ga., October 12-14, 1909. All interested in nut culture are invited to attend.

At the second weekly flower show held in Boston, Aug. 21, 22, T. C. Thurlow & Co., had a large collection of perennial phlox. The Old Town Nurseries and the Bellevue Nurseries had splendid collections of herbaceous plants.

The third annual convention of the American Association of Railroad Gardeners opened on Tuesday morning, August 24, at Horticultural Hall, Philadelphia. All of the delegates present were men engaged in the improvement of stations and terminals by the application of systematic gardening and landscape work.

Mr. J. S. Butterfield, landscape gardener of the Missouri-Pacific Iron Mountain system, presided, and the visitors were formally welcomed by Mr. John Wescott of the Philadelphia Florists' Club. The officers for next year are: President, Geo. B. Moulder, chief gardener for the Illinois Central Railroad; vice-president, Patrick Foy, chief gardener of the Norfolk & Western Railway; secretary and treasurer, J. S. Butterfield of the Missouri-Pacific system; executive committee: chairman, John Gipner of the Michigan Central; M. R. Smith of the Pennsylvania Railroad; Chas. H. Fritschler of the Nashville, Chattanooga & St. Louis Railway.

### H. R. McNAIR, Dansville, N. Y. WHOLESALE NURSERIES Pear, Plum, Quince and Cherry Trees ROTAN'S EAST TEXAS NURSERY COMPANY

Wholesale Growers of  
FIGS, STRAWBERRIES, PLUMS, etc.; MAGNOLIA GRANDIFLORA,  
WILD PEACH, (Both Trees and Seeds) and other Southern  
Tree Plants and Shrubs. No agents—we sell direct.  
Box 225, Woodville, Texas,

**SITUATION WANTED** Opening in a nursery office by young man with six years' experience. Can furnish best of references as to character and ability

ADDRESS BOX 8, THIS OFFICE

### Strawberry and Raspberry Plants FOR THE WHOLESALE TRADE

The same careful attention and No. 1 Stock for the Nursery trade that we give to our retail. Write varieties wanted, stating about how many. Will quote prices that are right.

### The E. Maudlin Nursery, BRIDGMAN, MICHIGAN.

## THE Cherry Hill Nurseries

offer a full line of

### PEONIES AND GERMAN IRIS

Also many New Varieties of Phlox  
SUGAR and NORWAY MAPLES by the carload  
CONCOLOR FIR, 2-3 feet, 3-4 feet.

T. C. THURLOW & CO.

West Newbury, Mass.

## PEACH SEED

Now is the time to contract for your supply of Peach Seed. We are the largest dealers in the South.

We can ship 1908 Crop at once, and 1909 Crop between now and November 1st.

The crop in this section is light, and we can only contract for a limited quantity, so let us have your orders at once.

HAVE 3,000 BUSHELS 1908 CROP

Terms are Sight Draft, Bill of Lading Attached.

### Morrison Produce & Provision Co.

STATESVILLE, NORTH CAROLINA



## TARIFF ON FRENCH CRAB SEED

Editor NATIONAL NURSERYMAN,  
Rochester, N. Y.

Dear Sir:

It does not seem to be generally known that a little "snake" crept into the new tariff law and slipped through apparently without the notice of anyone. It appears in the seed schedule and particularly affects French Crab and other Fruit seeds. The old duty was thirty per cent ad valorem. The new duty is ten cents per pound, making the increase duty over what was paid before equal to about \$2.00 per bushel. On high priced seed, where they are bought and sold by the pound, it would make the duty a little less than before, but on bulky seeds such as French Crab, Cherry, and Plum the increase will average about \$2.00 per bushel.

THOMAS MEEHAN & SONS.

## JOSEPH BEACH

SOUTH HADLEY FALLS, MASS.

Although the possessor of only a few acres, Mr. Beach is one of the most successful growers in Massachusetts. Hardy perennials, shrubs, fruit trees and roses are his specialty. His greenhouses cover 18,000 feet and enable him to conduct a cut flower business in connection with his nursery. The main market for the products of the nursery is in the town nearby and in the surrounding country. Mr. Beach's work has reached a high state of perfection due to the high state of cultivation maintained in his nursery. Choice varieties well developed will be found on his grounds. Mr. Beach himself is a man with many years' experience in the business.

J. S. G.

## HITI NURSERIES

BOSTON, MASS. AND POMFRET CENTER, CONN.

The name "Hiti" signifies high elevation, which gives a longer season, and freedom from early frost and injury to late growth. For many years the owner, James H. Bowditch, has been in close touch with the leading nurserymen in this country and Europe. He is eminently able therefore, to make purchases along any special lines beyond the stock furnished by his own nursery.

The nursery proper, on Dana Road, is about a mile by road from Pomfret Station on the New York, New Haven and Hartford Railroad. The grounds can be reached by walking a short distance from the station. The whole area embraces only about eight acres, on which is one small building used as a tool and packing house. The proprietor, Mr. Bowditch, can be reached at any time at 903 Tremont Building, Boston, Mass. or the manager, Mr. George M. Lowry, at Pomfret Centre, Conn.

The specialties of the Hiti Nurseries are rare evergreens and hardy flowers. Here will be found the largest collection of Japanese Yew (*Taxus cuspidata brevifolia*) in the country. Japan Maple, Boston seedlings, and a full line of ornamentals is carried. Special prices are made the trade on Japanese Yew.

Mr. Bowditch is a landscape gardener and forester besides being a nurseryman.

FIRST AID TO **ROSES.** Fall price-list now ready  
BUYERS OF

Send for copy. Let us price your wants for  
Spring delivery.

THE **LEEDLE** FLORAL COMPANY®  
SPRINGFIELD-OHIO.

**GRAPE VINES A SPECIALTY**

**T. S. Hubbard Company**

FREDONIA, N. Y.

ESTABLISHED 43 YEARS

We offer for Fall and Spring trade a large and complete stock of one and two year old **GRAPE VINES** in strong grades for nurserymen and dealers trade.

We also have an extra nice stock of one year **CURRENTS**.

Send us your want list for prices.

**California  
Privet  
Grown  
Right and  
Graded  
Right**

I have made a specialty of growing Privet for fifteen years, and am now offering

**The Largest and Best  
Stock I Have Ever Grown**

There is no doubt about the stock pleasing you. I am growing Privet to SELL. Let me quote you prices before you order.

C. A. BENNETT, Box 61, Robbinsville, N. J.

**SAN JOSE SCALE**

KILLED AT A SAVING OF 50 PER CENT.

READ THESE EXTRACTS FROM A FEW REPORTS

H. D. BAILEY, TROY, N. Y.

I tried both lime-sulphur and your spray. I feel confident your spray is working far better than the lime-sulphur.

M. C. & C. F. TOMS,

HENDERSONVILLE, N. C.

We used your spray with the greatest success. Our orchard of 3000 trees is now practically free from scale. We consider it the best remedy we have ever seen.

G. W. SHIELDS, NEWTONVILLE, O.

Had some trees literally covered with scale from top to bottom, branches encrusted with it, so gave your spray a severe test. Those trees are today a mass of new growth and I cannot find a living scale on them.

BURR-OAKS FARM,

STEVENSVILLE, MICH.

We found fewer scale after using your spray than from the other remedies combined.

WRITE NOW FOR OUR FREE BOOK

GIVES IN FULL SCORES OF REPORTS LIKE ABOVE

F. G. STREET & CO., 17 Railroad St., ROCHESTER, N. Y.

**PEONIES**

ONLY BY THE WHOLESALE

Let me send you my list of OVER ONE HUNDRED Best Varieties  
J. F. ROSENFELD, WEST POINT, NEBR.

**Hardy Ferns**

Collection of several varieties of hardy ferns, mixed. Special named varieties; prices on application

LUDVIG MOSÆK.

Askoy, Minn.

**L. F. DINTELMANN, Belleville, Ill.**

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolus, Cannas and Dahlias

Nurserymen Should Try My Simplex Tree Baler

IT DOES THE WORK. PRICE \$16.00.

Special 20,000 California Privet.



## French Crab and Pear Seed for Fall Planting . .



New seed never reaches this country in time for Fall planting. Hence to meet the desires of the growers who prefer to plant at this time, we usually import—if there is sufficient crop—an additional quantity to reserve for this purpose. Our importation of new crops will not arrive until February, but if you desire to plant this Fall, write at once. Seed is in excellent germinating condition as you may see from sample sent free upon request.

## MAHALEB CHERRY SEED

We have too, but supply is limited.

## Our New Fall Trade List JUST OUT

Of course you will want a copy, for it contains a big assortment of

**Hardy Ornamental Trees, Shrubs, Evergreens, Vines  
and Herbaceous Perennials.**

Write for a copy.

## Thomas Meehan & Sons,

Dresher, Box 22 Penna.

# Willis Nurseries

Ottawa, Kansas

OFFERS FOR SHIPMENT

in the

FALL of 1909 and SPRING of 1910

a general assortment of

## Choice Nursery Stock

Let us make you special prices on

Apple Seedlings

Forest Seedlings and

Shade Trees

## A. WILLIS & CO.

When writing to Advertisers mention The National Nurseryman.

## E. P. BERNARDIN PARSONS Wholesale Nurseries

Parsons, Kans.

Established 1870

We are still headquarters for Early Harvest B. B. root grown plants. One-half million to offer.

200,000 Peach, 1 year to offer in general assortment.

Large supply of Evergreens, Shrubs and Ornamental Shade Trees, in all sizes. Car lot orders solicited.

Carolina Poplar, all sizes and in quantity.

Send in your want lists for estimates.

## F. H. STANNARD & CO.

The Ottawa Star Nurseries

OTTAWA, KANSAS

APPLE TREES, assorted, all grades.

CHERRY TREES, assorted, all grades.

PEAR TREES, assorted, all grades.

GRAPE VINES, assorted.

A large and complete assortment of Shade Trees

APPLE AND FOREST TREE SEEDLINGS

We call special attention to our

CATALPA SPECIOSA SEEDLINGS

35TH YEAR

## Pan Handle Nurseries

WE OFFER A COMPLETE ASSORTMENT OF NURSERY  
STOCK CONSISTING OF

Apple	Poplar Carolina	Ampelopsis
Pear	Poplar Volga	Roses
Plum	Elm American	Evergreens
Cherry	Sycamores	California Privet
Peach	Mountain Ash	Buxus
Grape	Althea	Weeping Trees
Currant	Hydrangea	Catalpa Seedlings
Gooseberry	Barberries	Black Locust "
Small Fruits	Syringaeas	Fruit Tree "
Maple Norway	Clematis	Catalpa Speciosa Seed.
Maple Schwedlers	Honey Suckle	Etc., Etc., Etc.
Maple Silver	Wistaria	

Our stock is well grown and graded. Prices are such that it will pay to investigate. Come and see us or write.

## J. K. HENBY & SON

GREENFIELD, IND.

A Large Stock of **Columbian Raspberry Tip Plants** That promise to make a strong, well-matured plant for Fall Storage

WRITE FOR SPECIAL PRICES NOW

Largest Growers of Green Mt. Grapevines in the World.

EXTRA HEAVY VINES FOR RETAIL TRADE

We still have a few M. Mersereaux R. C. Blackberry Plants at reasonable prices

Our Grapevines are unusually promising

Send list of your wants for SPECIAL Fall Quotations

## WILLETT & WHEELOCK

N. COLLINS, N. Y.

When writing to Advertisers mention The National Nurseryman.



Our Guarantee Is just as big and broad as  
YOU choose to make it.

“SCALECIDE”

applied to your fruit trees will absolutely kill SAN JOSE SCALE and all Fungous troubles controllable in the dormant season. Five years of proof.

Prices : In barrels and half-barrels, 50c. per gallon ; 10 gal. cans, \$6.00 ; 5 gal. cans, \$3.25 ; 1 gal. cans, \$1.00. If you want cheap oils, our “CARBOLEINE” at 30c. per gallon is the equal of ANYTHING ELSE. Send today for free Booklet. “Orchard Insurance.”

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(Ligustrum ovalifolium aureum)

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WE ARE GROWING FOR SEASON 1909-10  
MILLIONS OF FOREST SEEDLINGS

Especially Soft Maple, Box Elder, Catalpa, Black Locust,  
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Calycanthus, Altheas, Spireas, etc. 50,000 Extra Fine  
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500,000 Althea Seedlings Grafting Stocks,  
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10,000 Choice Named Dahlias, field clumps  
Let me price your lists.

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FOR DELIVERY		Per 100	Per 500	Per 1,000	Per 5,000	BOOK YOUR ORDER EARLY.
JANUARY TO MARCH, 1910.	12 Feet Long	\$2 70	\$13 00	\$25 00	\$120 00	
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Everything in  
**Small Fruit Plants.**

Ask for price list.

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**SPECIAL**—We have 1000 bu. of Red and Burr Oak Acorns, on which we can make special low price.

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Large acreage of land, well located, two nice residences, office, boarding house, sheds, barns and other buildings.

Plenty of labor at reasonable prices.

The owner desires to sell, other business interests demand his personal attention.

Would be glad to hear from interested parties who mean business.

Address "SOUTH," Care of NATIONAL NURSEYMAN,  
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A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myroblan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

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CALIFORNIA PRIVET and CATALPA SPECIOSA  
ALL ONE YEAR OLD

For further particulars and prices, address

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**FALL OF 1909**

We will have our Usual Supply of Nursery Stock for Fall of 1909. Apple, Cherry, Peach, Pear, and Plum our Specialties. A good Stock of Shade Trees. Write for prices.

BUDS and SCIONS, we have our usual large Supply.

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Large stock of Carolina Poplars, 6 feet, to 2 inch Cal. 1 and 2 year Cal. Privets. Raspberry and Strawberry Plants, 1 year Fay's Currants, Rhubarb, Sour Cherries, Heavy Peach. Black Locust and Catalpa Seedlings, Shrubbery, etc.

Will contract to bud Peach on KANSAS SEEDLINGS.

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Apple	Small Fruits	Fruit and Forest
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Plum	Ash European Mt.	Apple and Pear
Peach	Roses	Grafts
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Stock is well grown and graded. Call or write.

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Wholesale Grower and Exporter of Fruit-Tree  
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## CHERRY

that can be produced by suitable soil,  
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Take a look at the stock or ask for a  
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Facilities for prompt and efficient service, to-  
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are my leading specialty. Our soil and climate is acknowledged to be especially adapted for producing healthy, thrifty trees with an abundance of fibrous roots. My stock includes "Everything in Evergreens" from millions of small seedlings and transplants to well formed specimens 2 ft. to 20 ft. in height. In most varieties we have immense quantities in sizes that are just right for growing on, two and three year transplanted stuff with good roots and an abundance of them. You will be surprised how little money is necessary to build up a good stock of evergreens, and you don't have to figure on much loss when buying Hill's Evergreens, if you do your part. NOW is a GOOD TIME to stock up.

*I also make a specialty of growing*

## Forest Tree Seedlings

in immense quantities such as European Larch, Catalpa, Black Locust, American Elm, American Linden, Horse Chestnut, Sweet Chestnut Hard Maple, Norway Maples. Red Oak, White Oak, Burr Oak, Chestnut Oak, Black Oak, Birch, Beech, Ash, Box Elder, etc.

*In addition to the above I have a complete line of*

## Deciduous Shade Trees

of all the most important varieties. Several blocks of Elm 2 1/2 to 5 inches in diameter with extremely well formed tops and straight trunks. A fine lot of Linden.

1909 CATALOG READY NOW. WRITE FOR IT.

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Evergreen Specialist  
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"Dundee Grown" Trees Have Been Famous for Over Half a Century.

# The Buying of Trees is a Matter of Confidence

**I**T IS impossible for even an expert to tell from an examination of the bark and leaves of a tree whether the fruit will be good or worthless. While of importance to private planters, it is of far greater consequence to the nurseryman who buys trees in quantities for distribution among his customers to know they are reliable in every way. For 26 years the Glen Saint Mary Nurseries have been perfecting their facilities for the production of absolutely dependable stock and the nurserymen who have been supplied from this source, as well as direct customers, have come to know that here they can secure

## "Trees True to Name"

Large test orchards are maintained at Glen Saint Mary Nurseries for the fruiting and proving of different varieties. These orchards enable us to point to the parent trees from which our young nursery stock is grown as evidence that we know exactly what the latter may be expected to do when they come to fruit. Further evidence of the superiority of our product is found in bearing orchards throughout the South, planted years ago with Glen Saint Mary trees. We are now growing better trees and plants than ever before.

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Offer 250 acres of Hardy Outdoor Nursery Stock in great variety, chief among which may be noted the following:

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Andromeda Florabunda, 20,000 to offer in bushy well grown plants 6 in. to 18 in.

Andromeda Japonica 6 to 18 in.

Azalea Mollis, seedlings from named varieties 4 to 24 in.

Ghent Azaleas, on own roots 12 to 24 in.

Azalea Pontica, the common yellow 12 to 30 in.

Gaultheria Shallon and Procumbens.

Kalmia Latifolia 6 to 30 inches.

Hybrid Tea, Tea, Polyantha and Hybrid Perpetual Roses, strong field-grown stock as Standards, Half Standards and Dwarfs in all leading varieties.

Copper Beech, selected seedling, specially good strain 3 to 9 ft.

Fruit Trees, trained, Espalier and Fan shaped.

Box, Handsworth and Common Tree 6 in. to 5 ft.

Retinospora Plumosa and Plumosa Aurea 6 in. to 6 ft.

Retinospora Pisifera and Pisifera Aurea 3 to 6 ft.

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Abies Orientalis, Parryana, parryana Glauca and Kosteriana 6 in. to 4 ft.

Manetti Stocks, extra well rooted and graded for grafting. We can offer 500,000 for delivery, Fall 1910.

We are within an hour's rail ride of London, and shall welcome the personal inspection of any Nurseryman visiting England. We shall not importune you to buy, the quality of our stocks will ensure business.

Our sole agents for U. S. A. and Canada are

### Messrs. A. ROLKER & SONS,

31 Barclay Street,

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## SMALL FRUIT PLANTS

For the Nursery Trade

### FALL, 1909

500,000 Black and Purple Raspberry Tips  
250,000 Gooseberry Layer Plants



Red Raspberry, Blackberry, Dewberry, Strawberry,  
Rhubarb, Asparagus and Horseradish

Currant, Orange-Quince and Gooseberry Cuttings

Everything in Small Fruit Plants

Write for prices

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FREMONT NURSERIES

Fremont, Neb.



### Growers of a General Line of Nursery Stock

## WAXAHACHIE NURSERY COMPANY

OFFERS IN SURPLUS

Peach, Plum and Apricot, dormant bud.

Especially  $\frac{3}{4}$ ,  $\frac{2}{3}$  and  $\frac{1}{2}$  foot.

Cherry, leading sour, in grades up to  $\frac{5}{8}$  inch.

Pear, 2 year buds, all grades.

Evergreens, Roses, Shade Trees, Vines, California  
Privets, etc., etc.

Send us your want list TO-DAY.

**Waxahachie Nursery Co., Waxahachie, Texas**

### Seedlings Specialties

CATALPA (The pure Speciosa Genuine)

Our stock is very fine and we are the largest  
western growers of this line:

*Black Locust	Russian Mulberry	Honey Locust
Russian Olive	Maple	Ash
		Osage Hedge

JAPAN PEAR STOCKS up to our usual high standard.

Also general line of nursery stock.

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(Island Park), Winfield, Kansas.

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## Franklin Davis Nursery Co.

Baltimore, Maryland

We offer for Fall 1909 and Spring 1910---

Apple, 1 and 2 year, leading varieties.

Pear, Standard, Keiffer, Blight Proof, Koonce, Garber,  
Etc., Etc.

Peach, 1 year, standard varieties.

" 2 " June Buds.

Cherry, 1 and 2 year on Mahaleb.

Asparagus, best leading kinds, 1 and 2 year.

Privet, California, 1 and 2 year, fine.

" Ibota, 1 and 2 year.

Strawberry Plants, best varieties.

Grape Vines, 1 and 2 year; heavy on 1 year Concord.

White Birch, 10-12 ft., fine.

Silver Maple, 10-12 ft., 8-10 ft., 7-8 ft.

Sugar Maple, 8-9 ft., 7-8 ft.

Norway Maple, 7-8 ft., 6-7 ft.

Poplars, Lombardy & Carolina, 1, 2 and 3 year.

Catalpa Speciosa, 8-9 ft., fine.

Weeping Willows, 8-9 ft., fine.

Oriental Planes, 8-9 ft., fine.

We have a fine lot of Extra Heavy Shrubs,  
such as Hydrangea P. G., Weigelas, assorted;  
Altheas, assorted; Judas Trees, Spireas, assorted;  
Eulalias, Snowballs, Lilacs, Strawberry Tree.

In large Shade Trees we have Sugar Maples,  
Elms, Box Elder, Catalpas, Evergreens, Roses,  
Etc., Etc.

Would accept orders to bud Peach on contract.  
Can commence shipping October 1st, or earlier.

Send us your want list.



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**NURSERIES**  
**420 ACRES**

## WE GROW

FRUIT TREE STOCKS—All Sizes.  
300 varieties of Conifers, 1 to 4 years old.  
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.  
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.  
250 varieties of Climbing Plants.  
400 varieties of Conifers, 1 to 4 feet high.  
400 varieties of Perennials.  
800 varieties of New and Old Roses.

We Have No Agents.  
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at GROSSTABARZ, Thuringia, GERMANY

are prepared to accept contracts on the following  
Specialties for

**DELIVERY FALL 1909**

FRESH SEEDS of MULBERRY, WILD CHERRY,  
MAHALEB CHERRY, PLUM, QUINCE, APPLE,  
PEAR, DOG ROSE, BLACK AND HONEY  
LOCUST and many other sorts.

Price List on application  
WANTED: American Evergreen Tree Seeds  
Offers will oblige

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Large stock in all grades. This stock being our leading specialty we are able to quote low prices, and believe that we now have the largest stock of any Nursery in the country. Besides we offer Shade Trees, Shrubs, Berry Plants, Grape Vines, Roses, Cannas, Etc., Etc. Special prices on car load lots for booking of early orders.

Trade List ready August the first.

**VALDESIAN NURSERIES,**

Bostic Department, Bostic, North Carolina.

ROSES - SHRUBS - CANNAS - PHLOX  
JAPANESE IRIS - HERBACEOUS PAEONIES

**ALL FIELD GROWN**

Teas, Hybrid Teas, Hybrid Perpetuals, Mosses, Rugosas, Climbers, Ramblers Creepers. Thirty Types. Over Three Hundred Varieties.

Planting for the season of 1909-1910 is the heaviest in our history. Varieties are the BEST and QUALITY is there, better than ever before.

We want to figure with you Mr. Nurseryman on your future orders. We have the goods—QUALITY—QUANTITY—VARIETY—and can make the prices! Your correspondence will get "quick" action.

**The United States Nursery Co.**

RICH, Coahoma County, MISS.

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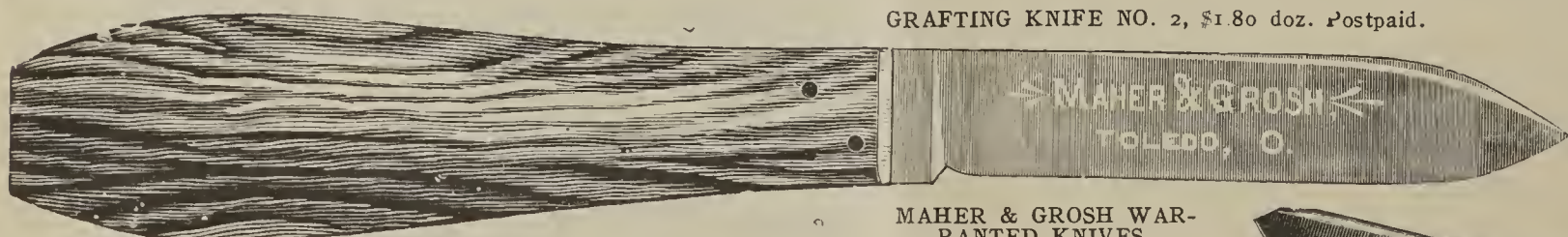
If you need Silver Maples, Carolina Poplar, Willows, Lombardy Poplar, Tulip Tree, White Ash, Grape Vines, Peach and Pear and one year Apple, write us we have them. Fig and Pecan at our Branch Nurseries, Monticello, Fla. Prices will be right.

**Commercial Nursery Co., Winchester, Tenn.**

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The most startling Polyantha Novelty of the season, of the Baby Rambler type, a constant summer flowering Rose with large bright pink flowerheads. Every rosegrower should secure this. For full description see page 42 of our latest catalogue, just mailed, comprising our usual full line of Ornamental and Evergreen Trees and Shrubs. Address our American agents: AUGUST ROLKER & SONS, P. O. Box 752, NEW YORK CITY.

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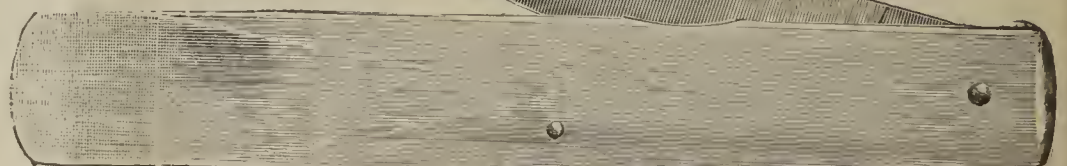
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The FLORIST KNIFE—No. 89, as shown, 50c.; 6 for \$2.50. No. 89 1/2 has grafting point blade, same price. These blades are equal to any razor in fineness.

Send for 12 page Nursery Tool Catalogue.

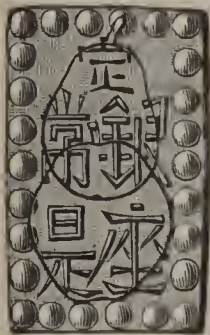
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Huntsville  
Wholesale Nurseries

Huntsville, Ala.

JESSIE S. MOSS, Prop.

We offer for the Fall of 1909 and Spring of 1910 in large quantities as usual :

## SPECIALTIES

PEARS—Bartlett and Beurre de Anjou, one year, in large supply. As fine in quality as ever grown.

PEARS—Kieffers, one and two years old. A much smaller crop than heretofore

PEARS—Assorted leading varieties. One and two yrs. old.

CHERRIES—On Mahaleb. Leading sour varieties. A large block but not as many as usual.

PEACHES—We excel in Peaches, and of these we will have as large and as fine a stock as we have ever grown, both in one year and June Buds.

PLUMS—A light stock of these for this year.

PECANS—We make a specialty of grafted Pecans. These are grown in our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

ROSES—Budded. We have discontinued the propagation of Roses at Biloxi. We will have a large stock of leading Hybrid Perpetuals and Mosses grown at Huntsville.

PRIVET—Amoor River. Retains its foliage longer and holds its color better than Colifornia Privet.

MAGNOLIA G. F.—Huntsville grown. Handsome, young plants, transplanted.

See Price List for particulars.

Address, W. F. HEIKES, Manager,  
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# THE BEST TREE DIGGER ON EARTH



## Used and Recommended by Leading Nurserymen

The one we have used for years, and by far the most satisfactory of any we have ever seen. It does exactly the work for which it was designed—and does it right. If interested we will be glad to send description and prices.

**Stark Bro's Nurseries & Orchards Co.**  
LOUISIANA, MO.

**H**AVE you seen and examined  
the quality of our water-  
proof rawhide shipping tags  
and tree labels? This stock is



especially  
adapted to  
hard usage  
and outside  
use. "Once  
used, always  
used." Send  
for samples  
and prices.  
Our refer-

ences are the largest Nursery-  
men in the United States.

**The Denney Tag Co.**

WEST CHESTER, PA.

## B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.

WEeping BLUE SPRUCE. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.

ROSES, Hybrid Perpetual and Hybrid Tea varieties.

CONIFERS and EVERGREENS, 150 varieties.

RHODODENDRONS, Hardy Hybrid and Maxima, 50 varieties.

EVERGREEN SHRUBS, 35 varieties.

FLOWERING SHRUBS, 350 varieties.

JAPANESE MAPLES, 25 varieties.

ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.

WEeping and STANDARD DECIDUOUS TREES, 50 varieties.

HEDGE PLANTS, 25 kinds.

HARDY VINES and CLIMBERS, 75 varieties.

PLANTS and TRAILING VINES, 12 varieties.

SPRING and SUMMER FLOWERING ROOTS and BULBS, 250 varieties.

DECORATIVE and FLOWERING PLANTS, 50 varieties.

TRAINED and OTHER FRUIT TREES. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.

SMALL FRUITS, 75 varieties.

NEW and RARE TREES, SHRUBS and EVERGREENS, 35 varieties.

MISCELLANEOUS NEW and RARE PLANTS and VINES, 25 varieties.

HARDY HERBACEOUS PLANTS (Old Fashioned Flowers) 1,000 varieties.

NEW and RARE CHOICE HARDY PERENNIALS, 65 varieties.

ORNAMENTAL GRASSES, 30 varieties.

HARDY FERNS, 50 varieties.

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NURSEYMEN AND FLORISTS,

RUTHERFORD, N. J.



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Louis Leroy's Nurseries Co. (Established in 1795) LUCIEN LEVAVASSEUR, Director

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G R O W E R S — and — EXPORTERS OF	{	Pear, Apple, Mahaleb, Mazzard, Myrobolan, Angers Quince Stocks, etc., etc.	}	BEST GRADING — and — PACKING
		Forest Tree, Seedlings and Transplanted. Evergreens, Ornamentals, Shrubs, Manetti, Multiflora, Roses, and a complete line of Ornamental Stocks.		

EXPORTS EXCEED 25,000,000 STOCKS ANNUALLY.

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## Budded Pecan Trees

Japan Persimmon, Japan Walnut,  
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

**THE GRIFFING BROS. CO.,**  
JACKSONVILLE, FLA.

## Fumigation with Hydrocyanic Acid Gas Generated From Cyanide <sup>98</sup>/<sub>99</sub>%

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Manufactured by  
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## The Farmers Nursery Company

### OFFER

APPLE, assorted, heavy in light grades

PEAR, Standard, assorted, extra fine lot of Kieffer  
CHERRY, 2 year, the finest stock we have ever grown

PLUM, Japan and English, good assortment of varieties

PEACH, choice stock in all grades

### EVERGREENS

ARBOR VITAE, 2 to 8 ft.

NORWAY SPRUCE, 2 to 8 ft.

ARBOR VITAE, 2 to 4 ft.

BALSAM FIR, 2 to 5 ft.

These evergreens have been transplanted, and are fine specimen plants. Can supply in carload lots.

Silver Maple, Am. Elm, C. L. W. Birch, all sizes  
Catalpa Bungeii, 3 year heads

Catalpa Spec. Seedlings, all grades. Golden Willow 2 year plants.

Stock grown at Dansville, N. Y. and Troy, O.

## For Fall 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

**Fraser Nursery Company**  
Incorporated HUNTSVILLE, ALABAMA

## We Offer over 2 Millions Catalpa Speciosa Seedlings

that are absolutely genuine, from 6 inches to 4 feet, 1 year old. Also a large variety of other Seedlings for Nursery and Commercial Forest Planting, including White Pine.

We will also collect a large variety of American Tree Seeds, fresh and true to name. Shall be pleased to quote on your list of wants.

A personal inspection of our stock invited. Wholesale trade list ready early in September.

**The WILLADEAN NURSERIES**  
WARSAW, KY.

When writing to Advertisers mention The National Nurseryman.



# NURSEYRMEN AND FLORISTS

looking for stock can find largest assortment in the  
United States at the

## Painesville Nurseries

Fruit and Nut Trees, Deciduous Trees, Shrubs and Evergreens, Hardy Roses, Vines and  
Plants, Grapes, Gooseberries, Small Fruits, Bulbs, Seeds, Palms  
and other tender Greenhouse Plants

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Have full list of varieties for fall trade with special inducements for orders for late fall  
delivery in car lots, or cellared for Spring if desired. Our facilities are unsur-  
passed for handling these large orders. Try us and be convinced.

Not satisfied with our present large cellars, are now build-  
ing one 112 ft. by 240 ft. connecting with and south  
of present brick cellar.

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### OUR SPECIALTIES ARE

#### ROSES

H. P.

Moss

Ramblers

Climbers, Etc.

PEACHES

PEARS

PLUMS

CHERRIES



LILACS

Ornamental  
Trees and  
Shrubs in  
Car Lots

Weeping Mulberries  
Elm and Ash

Clematis

Ampelopsis

Paeonies

Hydrangeas, Bush  
and Tree

Holland Bulbs

NO TROUBLE TO PRICE YOUR WANTS

55 Years

1200 Acres

44 Greenhouses

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## THE STORRS & HARRISON CO.

PAINESVILLE, OHIO



# Weeping Mulberries

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ELLWANGER and BARRY  
MOUNT HOPE NURSERIES - ROCHESTER, N. Y.

TREE HYDRANGEAS

TREE LILACS

TREE ALTHEAS

APPLES

QUINCES, Two years, 4 to 5 feet

PEARS, Bartlett, Clapps, Seckel

CURRENTS

CLEMATIS, 5 acres of 'em

AMPELOPSIS, 100,000 of 'em

DUTCHMAN'S PIPE, "Not made in Hol-  
land."

ROSES, On own roots and budded. The  
New Good Ones; also the Good Old  
Ones.

In fact, the scarce stock, hard-to-grow kinds, and  
the Specialties that everybody doesn't have—at  
first hand—the things that make "NEWARK-  
GROWN" known the Nursery-world over, can be  
had in quantity here.

Send list of wants for prices. Get Busy! Soon  
be shipping time.

## Jackson & Perkins Co.

Dispensers of "The Preferred Stock" which is grown at  
NEWARK, in WAYNE COUNTY, NEW YORK STATE  
September 1, 1909

## SPECIAL NOTICE

APPLE QUINCE PEAR CHERRY  
PEACH PLUM

A Fine Block of  
Own Root Roses

ORNAMENTAL TREES SHRUBS  
BERRIES CLEMATIS  
EVERGREENS PEONIES PHLOX

Write for our Special Prices

Special Attention given to Dealers, complete lists  
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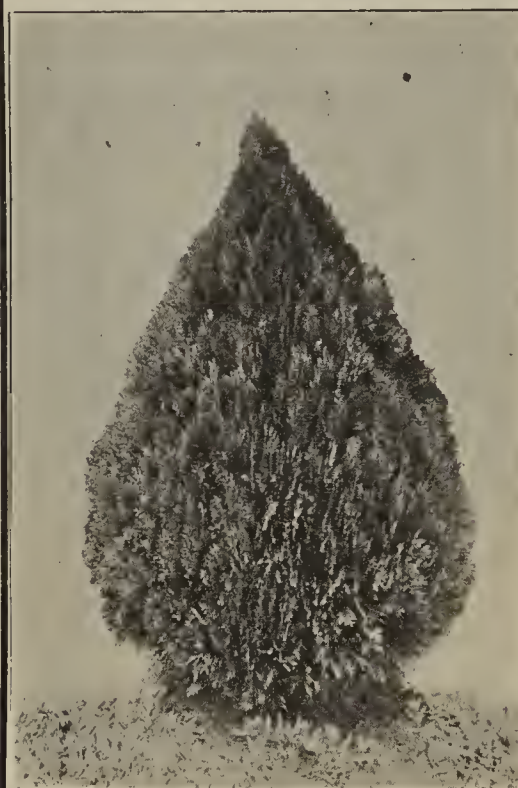
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GENEVA, N. Y.

63 Years

700 Acres

## IN CAR LOAD LOTS

We offer BIOTA AUREA NANA, Cedrus, Deodara, Junipers  
and assorted Specimen Conifers.



BIOTA AUREA NANA

Figs, Spanish Chestnuts,  
Althaeas, Deutzias,  
Exochordas, Lilacs,  
Philadelphus, Spiraeas,  
Weigelas, and other De-  
ciduous Shrubs.

Ashes, Elms, Maples,  
Weeping Mulberries,  
Tulip and Lombardy Pop-  
lars, Lindens and Texas  
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Strong field grown ROSES,  
Standard sorts, budded  
and on own roots.

Citrus Trifoliata, Amoor  
and California Privets.

AZALEAS, Camellias,  
Magnolia Grandiflora,  
and other Broad-leaved  
Evergreens in great va-  
riety

Send for Catalog

P. J. BERCKMAN'S CO., Inc.,

Fruitland Nurseries  
Established 1856

AUGUSTA, GEORGIA  
Over 450 Acres in Nurseries



# Strawberry Plants

**M**Y BUSINESS for several seasons has been growing very rapidly, and the season just past has far exceeded any former year. I have therefore been compelled to increase my acreage to meet the growing demand for my plants, and I expect this Summer to build an additional, large, up-to-date packing house, so that my daily output of plants will be greatly increased during the shipping season. This will enable me to handle promptly all orders that I receive. If you buy Strawberry Plants, get in communication with me before contracting for your next season's supply.

## W. W. THOMAS

"THE STRAWBERRY PLANT MAN."  
ANNA, ILLINOIS.

# SIMPSON

is the name of the men who  
grow the finest

## CHERRY

that can be produced by suitable soil,  
climate and expert knowledge.

Take a look at the stock or ask for a  
sample and be convinced of the *extra*  
*quality* of their

## TREES

H. M. Simpson & Sons,  
Vincennes, Indiana

Established 1845

## Bryant's Nurseries

PRINCETON, ILLINOIS

Sixty-four years in growing, handling and selling  
all kinds of Nursery Stock is the record of our house.

Well grown trees and plants, careful attention to  
details, courteous treatment and promptness in the  
execution of orders is what has built up the business  
to its present large proportions.

### Our Specialties Are

**Ornamental Trees and Shrubs**  
**Barberry Thunbergii, Privet, &c.**

**Peonys**—We have 50000 to offer in the best sorts.

**Forest Seedlings by the Million**—You will find  
prices right.

Also have a large surplus in Apple, Cherry, Cur-  
rants and Gooseberries.

WRITE US FOR WHAT YOU NEED

**ARTHUR BRYANT & SON, Princeton, Illinois**

THE ONE BEST ARTICLE

FOR THE PURPOSE

## WOOD LABELS

FOR NURSERYMEN AND FLORISTS

BOTH PLAIN AND PRINTED

Facilities for prompt and efficient service, to-  
gether with the quality of our produce is unsurpassed.  
Samples and prices are at the command of a com-  
munication from you.

**Dayton Fruit Tree Label Co.**

SOUTH CANAL STREET, DAYTON, OHIO



## J. H. SKINNER & CO.

Station "A," Topeka, Kansas.

### Fruit, Shade and Ornamental Trees

∴ FLOWERING SHRUBS ∴  
APPLE AND PEAR SEEDLING  
∴ FOREST TREE SEEDLING ∴

ROSES - SHRUBS - CANNAS - PHLOX  
JAPANESE IRIS - HERBACEOUS PAEONIES

### ALL FIELD GROWN

Teas, Hybrid Teas, Hybrid Perpetuals, Mosses, Rugosas, Climbers, Rambler-Creepers. Thirty Types. Over Three Hundred Varieties.

Planting for the season of 1909-1910 is the heaviest in our history. Varieties are the BEST and QUALITY is there, better than ever before.

We want to figure with you Mr. Nurseryman on your future orders. We have the goods—QUALITY—QUANTITY—VARIETY—and can make the prices! Your correspondence will get "quick" action.

### The United States Nursery Co.

RICH, Coahoma County, MISS.

## YOUNGERS & CO.

GENEVA, NEB.

### APPLE TREES

Shade and Ornamental Trees

Russian Golden Willow

SEEDLINGS CATALPA SPECIOSA

HONEY LOCUST OSAGE ORANGE

Flowering Shrubs and Evergreens

Write for prices

ESTABLISHED 1868

F. W. MENERAY

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COUNCIL BLUFFS, IOWA

We offer our large stock of PAEONIES at a special low price for Fall 1909 and Spring 1910. Also a large stock of Cherries, Plums, Pears, Gooseberries, Deciduous Trees and Ornamental Shrubs.

SPECIAL ATTENTION—Complete list to dealers in car-load lots.

## PEACH SEED

Now is the time to contract for your supply of Peach Seed. We are the largest dealers in the South.

We can ship 1908 Crop at once, and 1909 Crop between now and November 1st.

The crop in this section is light, and we can only contract for a limited quantity, so let us have your orders at once.

HAVE 3,000 BUSHELS 1908 CROP

Terms are Sight Draft, Bill of Lading Attached.

### Morrison Produce & Provision Co.

STATESVILLE, NORTH CAROLINA

## ALMA NURSERIES, Oudenbosch, Holland

NURSERIES AT

### Oudenbosch and Boskoop

Proprietors { U. J. Heerma Van Voss, Czn.  
H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Largest growers of Ornamental, Deciduous and  
Evergreen Nursery Stock.

SOLE AMERICAN AGENT:

J. MEERKAMP VAN EMBDEN, Mt. Vernon, N. Y.

WRITE FOR CATALOGUES AND SPECIAL QUOTATIONS

SPECIALTY

Small Fruit Plants For the  
Nursery Trade

Large stock of

### Grape Vines

HEAVY GRADES FOR RETAIL TRADE

### Willett & Wheelock

North Collins, N. Y.

Established 1780.

### Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1909

FOR NURSERY STOCKS OF THEIR OWN  
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.



## FOR FALL 1909

We have the largest and most complete assortment of Ornamental Trees, Shrubs and Herbaceous Plants we have ever grown. Also Tree Seedlings in large variety.

We have genuine Catalpa Speciosa and Black Locust in large quantities. You cannot afford to buy before getting our quotation, it will pay you.

Are now ready to quote you.

**The Willadean Nurseries**  
WARSAW, KENTUCKY.

## DREER SPECIALS

Hardy Perennials, Paeonies, Iris, Hardy and Tender Water Lilies and Aquatics, Hardy Vines and Climbers, Decorative Greenhouse Plants, Palms, Ferns, Ficus, Araucarias, etc.

Bay Trees and Trained Box Woods, Hardy Rhododendrons, Azaleas, etc.

Flower and Vegetable Seeds, Bulbs, Implements, etc.

Wholesale catalogue issued quarterly and sent to the trade only. Write for a copy.

**HENRY A. DREER, PHILADELPHIA, PA.**

## HARDY NEW ENGLAND GROWN NURSERY STOCK

**W**E grow a general assortment of Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc. Prices reasonable. Wholesale Trade List for the asking.  
**BAY STATE NURSERIES, North Abington, Mass.**

**Charles Detriche, Senior**  
ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

### ANNOUNCES

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

**JACKSON & PERKINS CO.**  
NEWARK, N. Y.

**100,000**

## California Privet

EXTRA STOCKY PLANTS, 2 YEARS

They go quick at bargain prices.

**ARCADIA NURSERIES**  
Monticello, Florida

## FINE TEXAS UMBRELLA

**GENUINE**  
with perfectly  
formed tops

**JOHN A. YOUNG**  
Greensboro Nurseries

Greensboro      :-:      N. Carolina

## FOR SALE

50,000,000 Strawberry Plants

ORDER NOW FOR FALL

I want every grower to investigate my new "Tennessee Favorite,"—The very best berry grown for the market,—size color, flavor and shipping qualities considered. Even in size throughout season. I picked and sold from one acre 4,456 quarts at a net profit of 11 cents a quart making a total profit of \$491.16 in the Spring of 1908. For the season of 1909 I shipped 194 crates per acre, which net \$2.52 per crate. To vouch for the truth of this statement, I refer anyone to M. Fugazzi & Co., Cincinnati Ohio, who handled these shipments.

In my thirty years' experience I have found nothing quite its equal. Does best in low, strong land. Try them. Other varieties, Aromas, Klondyke, Lady Thompson, Excelsior.

A. HORN, R. F. D. 3, Soddy, Tenn.

**LABELS for NURSEYMEN**  
*Plain or  
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**The Benjamin Chase Co**      Derry Village, N.H.

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LIMITED quantity of first class Japanese Nursery Stock should be handled by all Nurserymen catering to a private trade. With careful selection the finest of effects may be produced. There is a demand nowadays for something unique, uncommon and good, and large profits should be realized if careful attention is given the matter.

In spite of the greatly increased freight rates from Japan on this class of goods, we are prepared to quote reasonable prices upon application. Quotations will be given only on the best available stock in Japan, in Sciadopitys, Retinospora, Taxus, Thuya, Various Maples,



" PINUS TANYOSHA "

Flowering Trees, Kudzu Vines, etc. We can likewise supply all kinds of Hardy Lily Bulbs, Bamboo Canes, and anything in the line of Japanese Horticulture.

Your inquiries will be answered promptly and special attention will be given your orders. Write us.

RALPH M. WARD & CO.  
12 West Broadway, - New York

*Representing Seitaro Arai, Yokohama*



NOT HOW CHEAP  
BUT HOW GOOD



# The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

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Vol. XVII.

ROCHESTER, N. Y., NOVEMBER, 1909

No. 11

## EDITORIAL WANDERINGS

### THE QUAIN'T ISLAND OF NANTUCKET

In the face of the popular movement to the stirring regions of the west coast it follows that he who wants rest and retirement should set his face eastward. Of course, there is still some possibility of securing a reasonable amount of enlivening recreation by dropping in at Atlantic City or Asbury Park, if he does not feel equal to the Coney Island pace. The writer, however, likes to shake off as completely as possible the conventionalities of summer resorts without encountering all the crudities of illy provided camp life when he is out for a "change." It is somewhat paradoxical to expect the most primitive in the older settled parts of the country. This, however, is to some extent the case in Nantucket. For one thing you are away from the sound and the smell of that ubiquitous evidence of effected civilization, the motor car. The lords of this ancient piece of civilization have decreed that the air and the roads shall not be contaminated and, in consequence, practically every tourist thanks them openly or in secret.

Nantucket, Cape Cod and Plymouth contain the scenes of the earliest struggles of the New England colonists. At that time it is probable that the island as well as the mainland was covered with forest growth. At the present time there is hardly a scrap of evidence that such was the case. The surface is a stretch of undulating wind-swept moors interspersed with cranberry and blueberry covered bog land. The moors are carpeted with a wonderful profusion of plant growth. Wild roses, the sweet fern, Kalmia, meadow sweet and terrestrial orchids contribute beauty to the land-

scape and incomparable sweetness to the atmosphere. Here and there a scrub growth of pine and oak struggles against the suppressing influence of sandy soil and sweeping

wind. The air of Nantucket has a quality of its own. It exhilarates most people but occasionally it induces delicious sleepiness. Let the business man get away from his office, from his club, (and perhaps his cocktails) and forget himself on the moors of this old island and his physical demoralization must be very complete if nature does not respond promptly and effectively.



Weeding the smaller ditches in a cranberry bog.

But we did not start out to write a prospectus of the Island as a summer resort, for its remoteness and comparative inaccessibility will always act as a sufficient deterrent in preventing it from being generally popular. Then it is unconventional from the society standpoint and long may it remain so. The cottagers at the various small resorts are supplied with vegetables, fish and meat by farmers of the island, who by the way are among the veritable aristocrats of New England. It is true that they fail to qualify when measured by the money standard but they stand high up when grouped by pedigree and lineage. When compared with the Dutch of New York the latter are mere upstarts.

The farmers are conservative. They instruct the summer resorter as to his needs and do not attempt any excursions into new methods of culture, or with new varieties of produce merely because the new comer suggests them. The mid-summer season is the harvest, the winter season his period of quiescence. He reaps while he can and rests when duties do not press.





A main canal or irrigating ditch in a Nantucket cranberry bog.

#### CRANBERRY CULTURE

Aside from the summer resort harvest there has been no other industry of any importance in the rural parts till outside capital has recently appeared and is being expended in the development of bog land for cranberry culture. The promoters claim with pleasant assurance that they have all other regions "beaten to a frazzle." The soil conditions are indeed very satisfactory, while water seems to be sufficiently abundant to satisfy flooding requirements. A final claim is that the Island enjoys greater immunity from late spring, or early autumn frosts than any other cranberry growing section in the country. However, this all may be, one company is demonstrating its faith by its works and has invested upwards of \$75,000, in developing some 200 acres of bog land ten per cent. of which is now in full bearing. Cranberry returns (on paper) compare very favorably with the striking stories which filter eastward from the Northwest Pacific Coast region and which fire our young men with an ambition to go out west and pick up a fortune in four or five years.

We have said nothing about the palmy days of Nantucket when the great whaling fleets sailed from her beautiful harbor to return laden to the gunwale with oil and whalebone. These days are memories. But the Island has found a new mission for the man who wants rest on the untamed moor or on the uncivilized beach where the "board walk" is unknown and where the dresscoat and the motor car have not "broken in."

[While the editor was writing these lines his eyes were constantly wandering afield through car window. The scene was picturesque and wonderfully wild. The train was following the bold shore line of the Arrowhead lakes in the mining and fruit ranching region of British Columbia of which he may have something to say in a future issue.]



Third season in the cranberry bog. The ground is nearly covered by the matting vines.

#### SOME SPRAY INFORMATION

MR. EDITOR:

During recent trips through the fruit belt of the United States, the writer has been greatly impressed with the striking change of opinion in regard to soluble oils; not only among fruit growers, but Entomologists and Experiment Station workers. This is also noted by the more favorable and positive reports published.

It is human nature to attribute any mishap to tree or crop to the application of some new and unknown remedy, but today the work with soluble oils has been so extensive and the conditions so varied, that the results from some of the best known brands are so fully understood, that they can no longer be held responsible for all the ills that trees are heir to.

In the following remarks, I will refer to only one brand of soluble oils, "Scalecide." They may or may not apply to all other oils, but my reason for naming only one is that I believe "Scalecide" differs materially from all other soluble or miscible oils, and most, if not all of them differing equally from each other, and I think it is rather unjust and misleading to suppose (as some Experiment Stations do) that because one soluble or miscible oil gives certain results (whether good or bad) that all brands will give equal results. You would certainly not apply this same rule to house paints, placing them all in the same class as to beauty and durability. So, in making a report on soluble oil, I believe it

is the duty of the Experiment Station and Horticulturist to name specifically the brand used, as that is the only guarantee the fruit grower has; so when I speak of "Scalecide" exclusively, I mean no discourtesy to any other brand, but I cannot be sponsor for every class of miscible oil in what I say. Some people are squeamish about recommending any particular brand that they know to be good and would rather let their recommendation apply to any preparation,



A cranberry bog on Nantucket at the close of the second year.



good or bad, sometimes to the sorrow of the man who takes their advice. As to the problematical effect of continued applications, time has fully demonstrated that the health and vigor of the trees increase rather than diminish with continued use. As an example, a three year old peach orchard at Byron, Ga., is a good illustration. This orchard of 40,000 trees has been sprayed three years successively with "Scalecide," and it is as fine an orchard as you can find. Every tree seems "made to order," and although in a badly infested scale district, in a morning's visit we failed to find any live scale or evidence of scale injury.

Another instance is of a peach orchard five years old at Fort Valley, Ga. These trees have been sprayed five times successively with "Scalecide." Adjoining this orchard and separated only by a thirty foot road is another orchard that was planted at the same time, but which has been mainly sprayed with Lime-Sulfur. The trees in this orchard, although the same kind of peach, do not show half the size or vigor and might be supposed to be two or three years younger.

B. G. PRATT,

New York.

[Our columns are open to the reasonable presentation of claims of manufacturers of proprietary spray mixtures. EDITOR.]

### THE PISTACHE NUT

P. H. DORSETT

Since the distribution two years ago of something over 16,000 seedlings, embracing varieties from Smyrna, Algeria, Sicily, Sahara, Syria, Northern Syria and Southern France, we, as well as the officials at Washington, have received numerous inquiries concerning the trees, their fruit and their possibilities. A year ago we received scions and seed of *Pistacia sinensis* from our explorer, Mr. Frank N. Meyer, Secretary American Association of Nurserymen, in which were collected by him in the Wei Tsan mountains near Peking, China. We distributed last season between 16,000 and 20,000 young trees of the following varieties: *Pistacia vera*, *P. atlantica*, *P. mutica*, *P. terobinthus* and *P. sinensis*. There are several other varieties that the officials at Washington are making every effort to secure and we hope to add these to our list by the end of another season. The distributions that have and will be made are being used in an experimental way by the Department officials as feelers to determine the possible range of their successful growth. When this has been accomplished, the Department will assist those whose trees show promise of success, in securing scions and buds of the best commercial varieties for budding and grafting on the young trees already established. Two and one-half acres at the California garden will be planted to varieties of pistache now on hand. This will be added to from time to time as other varieties are received. This planting will form a basis for scientific experimental work. Prof. S. C. Mason, formerly horticulturist at the Kansas College and State Experiment Station, who is now with the Bureau of Plant Industry, will

have immediate charge of this work, acting under instructions from Dr. Walter T. Swingle, in Charge of Plant Life History. Dr. Swingle has devoted the greater part of six to eight years in studying the conditions of this industry abroad. In a recent conference with him in Washington relative to the success of this work at the garden and its possibilities to the country, he spoke with enthusiasm and with the greatest confidence, in the Department being able to establish this industry in the United States.

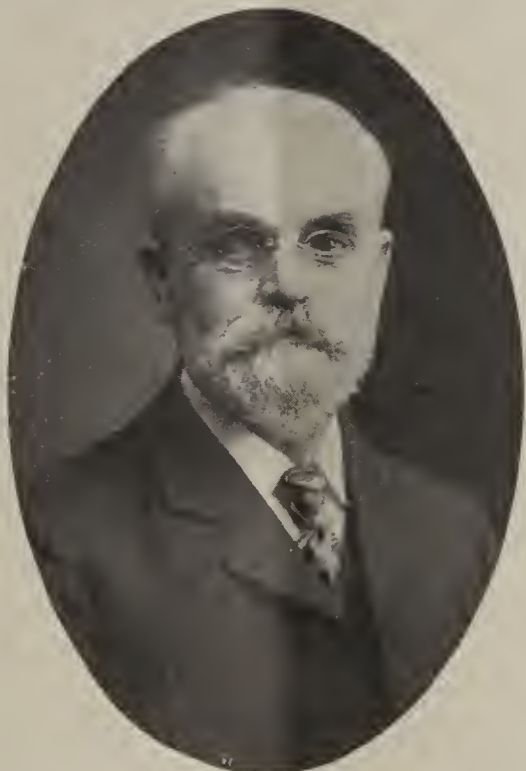
### RESIGNATION OF SECRETARY SEAGER APPOINTMENT OF JOHN HALL

Members of the American Association of Nurserymen will learn with deep regret that Mr. George C. Seager, for twenty years or more, secretary of the Association, has felt it necessary on account of the death of his brother and of his own poor health to resign his position. Mr. Seager has discharged his duties faithfully and efficiently. The work

of the office has never been slighted, while his unfailing courtesy and the systematic management of each annual meeting have made him a valued official and member of the Association.

President Stannard feels that the Association has sustained a severe loss in Mr. Seager's retirement. In seeking for a successor he has invited Mr. John Hall, of Rochester, N. Y., the well known secretary of the Western New York Horticultural Society, to fill the vacancy, and we understand that Mr. Hall has accepted the position. In our judgment the Society is to be congratulated on securing a man of proved ability in this particular field, a man who is known to be tactful, who has a wide circle of acquaintances, who possesses editorial experience and ability

in a marked degree and who is withal a hustler. We predict that Mr. Hall will fill the position to the satisfaction of all concerned. His address is Granite Bldg., Rochester, N. Y.



JOHN HALL

### A. L. GILBERT, SPRINGFIELD, MASS.

Gilberts' Nursery was started twelve years ago by the present owner, Mrs. A. L. Gilbert. It comprises an area of twenty acres set to many varieties of trees, shrubs and small fruits.

The specialty is Norway, Rock and Silver Maple and they are sold both at wholesale and retail. A large area covered with glass is maintained at 40 Homer Street in Springfield. A large assortment of bush and climbing roses is always kept. Under the glass Mr. Gilbert raises tropical plants such as the banana tree, orange tree and Elephants' Ears.

Landscape gardening is handled in all of its branches and Mr. Gilbert is able to supply landscape gardeners and florists with stock of any variety. They are cordially invited when in Springfield to call and inspect the stock and equipment.



# THE NEW ENGLAND FRUIT SHOW

## INCEPTION OF A NEW INSTITUTION

With comparatively little heralding and certainly no sounding of trumpets there has come and gone an exhibition of the fruits of New England that was at once a surprise to commerce and an educational agent of great value. This show was held in the hall of the Massachusetts Horticultural Society, in Boston, the week beginning October eighteenth. The commission men of Boston, who have been accustomed to think that the only highly colored, perfect apples obtainable were those which came from the west saw hundreds of plates and boxes of as handsome, unblemished specimens as the world can produce, displayed in systematic order and artistic arrangement. The show was a result of the Governor's conference of last year, a tangible product of the discussion bearing upon the opportunity for fruit growing in New England. It was a joint effort participated in by the six New England states. It was moreover a worthy effort.

The display of plate apples was excellent. Owing to limited space the exhibits were concentrated as much as possible, so much so in fact, that it is safe to say, the display could easily have been expanded to cover twice the amount of space it occupied without any danger of "spreading it on too thin."

While the plate competition was large, handsome and instructive the really impressive part was the box fruit section. This was a surprise and a triumph. The packing of apples in boxes is something of an art, acquired by experience. The New Englanders with a car lot or more in boxes showed that they were rapidly "catching on." The packing was not perfect, but it marked a fine beginning in the small package method.

The fruit show was managed by a board composed of the following persons: President, J. Lewis Ellsworth; secretary Massachusetts Board of Agriculture assisted by representatives from each of the other New England States.

### THE PRIZE LIST

This was arranged to emphasize quality, to stimulate the planting of commercial varieties and encourage more attractive and careful packing. The exhibit from Maine was excellent, Massachusetts surpassed all expectations while New Hampshire and Connecticut were strongly in evidence. The beautiful color, excellent finish of McIntosh, Gravenstein, Jonathan and the like won sources of continual comment. The fruit was mainly judged by Mr. W. A. Taylor, Washington and H. S. Wiley, Cayuga, N. Y. In the New England student judging contest, Massachusetts Agricultural College team secured first place for excellence in judging, New Hampshire second, Maine third. In the packing contest New Hampshire came first, Massachusetts second and Maine third. This contest excited considerable interest besides being productive of serious thinking and study on the part of the students.

### NURSERY EXHIBITS

A prominent supplement to the show proper consisted in the comprehensive exhibits of trees, plants, nursery and orchard supplies. Among the prominent exhibitors were J. G. Harrison & Sons, Berlin, Md., who showed a fine line of nursery stock; the New England Nurseries, Bedford, Mass., had a fine exhibit of conifers, deciduous ornamentals and fruit trees. The Van Dusen Nurseries, W. L. McKay, proprietor, Geneva, N. Y., a good display of fruit trees, ornamentals and roses.

### INSECTICIDES AND FUNGICIDES

Among these displays were instructive collections by the following: Frost Insecticide Co., Arlington, Mass.; Rockland-Rockport Lime Co., Boston; The Coe-Mortimer Co., 24 Stone St., New York; Thos. Phosphate Powder; Thomson Chemical Co., Baltimore, Md., spray materials; Goulds Mfg. Co., represented by Smith & Thayer Co., 236 Congress St., Boston, spray pumps; Bowker Insecticide Co., 43 Chatham St., Boston, spray materials, fertilizers; Sherwin-Williams Co., Cleveland, Ohio, arsenate of lead and Paris green; the Vreeland Chemical Co., Little Falls, N. Y., spray materials; Grasselli Chemical Co., New York, Insecticides; exhibit of injurious insects; B. G. Pratt Co., New York, scalecide, also a demonstration of the value of sulfocide as a fungicide.

### DINNER BY THE BOSTON BOARD OF TRADE

The dinner given to the promoters of the New England Fruit Show enterprise and the representatives of the different states proved to be an interesting and significant event. Over three hundred of Boston's business men presided over by Banker Storrow, sat down to a substantial dinner, with their guests the fruit growers of the New England states. The after dinner speakers were Dr. G. M. Twitchell, of Maine; J. H. Hale, Connecticut; Professor John Craig, Cornell University; President Butterfield, Massachusetts Agricultural College and Secretary Ellsworth of the Massachusetts Board of Agriculture.

The keynote was one of optimism and faith in the future. Fruit growing is taking on a new meaning. It is attracting capital. Men with the science, the practice and the business ability are now needed to further orcharding in New England.

### WHITING NURSERY COMPANY, BOSTON, MASS., GENEVA, N. Y., NORTHPORT, ME.

Thirty-four years ago Mr. H. M. Whiting founded the business now known as the Whiting Nursery Company. The head office is at Boston and small nurseries are maintained there and at Belmont. The stock is grown mainly in Geneva, New York. The packing grounds are in the latter city and all the packing and shipping is done from there.



## OUR RELATIONS ONE TO ANOTHER—FELLOWSHIP.

The Occasion for the Following Speech by J. R. Mayhew, Waxahachie, Texas, was the Eleventh Annual Meeting of the Southern Nurserymen's Association, Huntsville, Ala., August, 18-20, 1909.



WE HAVE made progress during the past twenty years, and while there is yet much to be accomplished, who of us, as we glance for a moment over the past, are not pleased with what has been wrought. I remember as if it were but yesterday, my first canvass for the sale of nursery stock in Madison county. An old pony, a pair of saddlebags, a plate book, a heart full of hope and love and song, were my stock in trade, the asset I had to start with. We won, for if memory serves me right, there was paid me in commissions that year sixty-four dollars, and sixty dollars then was equal to a thousand today. It would go further, buy more and last longer. I only refer to the past that we may by comparison get a correct idea of the present and a vision of the future. Yesterday the nursery business was a very small affair, today there are vast fortunes invested in the business, and tomorrow it will take a combination of fortunes to handle our growing demands. Not only will the future call for a combination of capital in handling our business, but a closer and more cordial relation must exist one to another. Over in Texas the signs are good, and at our last State Association meeting the splendid feeling between our members was a noticeable feature.

Referring again to my subject, "Our Relations One to Another—Fellowship," I like the ring of that word fellowship, for it points to a higher ideal in business life, it opens to us the possibility of getting out of business something besides mere dollars. It is a valuable asset, and while not subject to invoice like your growing stock or buildings and improvements, contributes to their worth, nevertheless, and, unlike every other of your possessions, is not subject to state taxation or inspection. This question is an interesting one in my state today, and will doubtless grow more so each season. Whatever the result of legislation otherwise, it is banding us together in the strongest ties of co-operation and through co-operation will come fellowship.

This is well, for man is a social creature and, to accomplish his best, must have sympathy, must have love, must have fellowship. Today as never before in the history of the world, perhaps, man loves his fellowman. Today as never before in the economy of business, social and religious life, we are striving with our minds and our money for the betterment of our brother who is not so fortunate as we. Men are spending their lives without counting it costly, that in the spending their fellows may be benefited. Fortunes are being placed daily on the altar of fellowship, and man is learning the lesson taught by the greatest of all teachers nearly two thousand years ago, that "It is more blessed to give than to receive." If we accomplish that for which God created us, there must radiate from our lives those characteristics that make for fellowship, for aside from service to our fellowman, life is an incident.

I am not a socialist, I would not suggest relations that would destroy your individuality, but I do plead for that brotherhood of man that makes us all akin, for that fellowship that would guarantee to every man a square deal. Try as we may to be just, to be considerate, to be helpful, love is the key to the situation, for love is the fulfillment of the law. "This commandment give I unto you, that ye love one another."

But to be more specific, will there be gain to us as members of this Association to encourage closer and more cordial relations? Is it worth while from a purely business view point? I believe that there can be but one answer to this inquiry. Furthermore, I would refer you to like organizations in every activity of business life whose sole right to existence is the promotion of the common good. I said in the beginning that through co-operation would come fellowship. This Association exists for no other purpose than the protection of your interests, and if the results of our labors as an association are satisfactory it will be through the loyalty of its members. Association to be helpful must stand for organization in the strictest sense, and should be binding. We are strong or weak, as the case may be, to the extent that we keep or break the faith.

For illustration, let us suppose that at a bankers' convention, (and I use our banker friends because they are a brainy set of sellows, and because they all charge practically the same rate of interest on the same class of loans), certain systems, plans, rates, etc., are adopted as being just to both themselves and their depositors. Suppose further, that certain members of this organization return to their respective localities and with malice aforethought conduct their affairs contrarily, and that they endeavor to procure the deposits on the books of their competitors by circulating the report that said deposits are unsafe. Do you think loyal members of the Bankers' Association could find fellowship with these deserters? I tell you what would happen, they would cease to be members of this splendid organization and, in my opinion, would not be entitled to membership. And again, what would the laity think of the business represented by the association? I declare to you that if my illustration were put into practice bank stock over the country would be on a par with nursery stock. Reverse the situation, apply the splendid business methods characteristic of our banker friends, and why wouldn't nursery stock be on a par with bank stock? I state to you a fact when I say that whether you want to or not you are forced to treat your competitor fairly. Any action of yours to the contrary proves a boomerang. You may think his success or failure is nothing to you, but somewhere down the line of operation his success will contribute to your success, his failure to your failure. Do not understand me to say that you will necessarily close the doors of your establishment



because some man in like business fails, but I do say that his success or failure has a direct influence on your business life. Our affairs are so closely allied that whether we will or will not we are forced to be our "brother's keeper." It behooves us then, to see to it that the dignity and honor, not only of our own business but that of our friends in business, is maintained.

I cannot refrain from mentioning the splendid fellowship apparently enjoyed by our hosts, the Huntsville Nurserymen, and, instead of throwing bouquets, I am only doing honor to whom honor is due. It has for years been a noticeable fact in which I rejoice.

But why discuss before you longer a subject on which we are all agreed, and being agreed let us put into practice. In conclusion may I make a suggestion, not in a spirit of self-righteousness or criticism, but rather in brotherly love. Let us cultivate one another, and you that are "on top" today remember the man underneath has a right to expect your assistance. If deserving, lend him a helping hand and it will be like "seed grown on good ground, bringing forth fruit, some an hundred-fold, some sixty-fold, and some thirty fold."

Let us demand of ourselves and of one another higher ideals in business life, standing shoulder to shoulder for a larger and cleaner business than ever before. Let us return to our homes and business determined, of course, to do more for ourselves, but in doing for ourselves let us not forget our obligations to one another. Let fellowship abound and let that fellowship be more than "skin deep." May not kindly, brotherly love govern our actions one toward the other, and when this is accomplished we will have learned what is true fellowship.

#### A MANUAL ON THE PHLOX

Under this title, C. S. Harrison has published a small book of 30 pages, it being one of his set of three manuals on the Peony, the Phlox, and the Evergreen. The illustrations are good and the text very clear and accurate. Every branch of the subject is thoroughly covered by the author who writes from many years' experience. A copy can be obtained for twenty cents by addressing the author at York, Neb.

#### CONDITIONS IN MIAMI VALLEY, OHIO

Those of us who grow nursery stock in the Miami Valley have little reason to complain this season, crop conditions with us having been very good. All stock has put on a splendid growth and is in prime condition at this time.

We find the trade rather light up and down the Valley for this time of year, but confidently anticipate a brisk demand for peach and cherry as soon as the buying season livens up for fall packing. The visible supply of apple will hardly measure up to the demand; while peach appear noticeably scarce in the general market.

We consider the outlook very good and predict some unusually lively trading during the coming fall and winter, with prices on all fruit stock, with the possible exception of pear and plum, tending decidedly upwards.

Troy, Ohio

FAIRMOUNT NURSERY Co.

#### CREDITS TO NURSERYMEN

During the past 17 years my business has been growing and selling nursery stock at wholesale. Rather than to sell on credit to doubtful parties, burn it—you will make more money, save ink and postage and be a heap happier. A tree man who is plumb honest and can't help it is a little nobler than the other honest man.

I've credited nurserymen who were financially responsible, who paid promptly, but from whom I would not dare buy; and right here is the most particular part of the whole business. Buyers of nursery stock are fast learning to investigate the standing of the men with whom they deal. The nursery trade of the country is fast growing to a higher plane; unreliable tree men are being eliminated, all for the betterment and permanency of the business.

The nursery business is calculated to show up the individuality of men; it will give you a pretty good idea if the nurseryman you deal with is fair and decent and loves to "tote" fair, or if he is mean and will take advantage of little things to get ahead of you a nickel.

To you men who are growing nursery stock for a living I want to say that the day is just dawning for the nurseryman who knows his business and attends to it the best he knows, who sees to it that his stuff is a trifle better than he has represented, who is square and liberal and demands the very top prices for his product. That type of nursery business will always find a market among the very best customers in the land.

HERBERT S. CHASE.

#### RHENISH NURSERYMEN AT TREVES

In connection with the recent congress of Rhenish nursery proprietors at Treves (Trier) the members of the Handelsgartnerverbandes (Unions of nurserymen) of the Miedlerhein and Rhein-Mosel made an excursion to that town on July 31, last. The members had received invitations from the following firms at Treves to inspect their establishments, viz.: P. Lambert, J. Lambert & Sons, Lambert & Reiter, J. Reiter & Sons, Miller, Langsur and others. For the reasons that the town occupies a wonderful position on the Mosel, has fine vineyards round about, and remarkable nurseries in its vicinity, and not least, its buildings from the times of the Romans (the Portanigra, amphitheatre, imperial palace, baths, etc.) it is a place much visited by strangers; and one in which those who are not temperance advocates can enjoy a drop of excellent Mosel wine, and refresh themselves, when money plays no role, with delicious Berncastler Doctor, and Frau Doctor Tanisch's Anslesi. It was not a matter for wonder that the invitation was gleefully accepted by members from far distant places.—M. H. in Die Gartenwelt, July 31.

#### CHILDS' GLADIOLA

John Lewis Childs of Floral Park, N. Y., has recently added 500 acres to his flower and seed farm, 200 acres of which are to be utilized in the growing of the Gladiolus in 1910.



### THE HOME GROUNDS

**T**HE WAY to judge best the character and ability of any nursery is by examining its home grounds, for there are displayed the tastes of the men in charge. If a nurseryman does not love grounds well set out and planted, who does? Grounds well set off with trees, shrubs and artistic buildings have a way of giving one confidence in the good taste and the earnestness of the firm. What one of us thinks that a nurseryman with neglected grounds and hideous buildings has any enthusiasm for his business or love for trees and plants?

The picture of the grounds of W. N. Scarff, New Carlisle, Ohio, is unusually attractive. The gateway is simple and effective while the house in the background is in strong clean lines, and screened just enough by trees. J. S. G.

### NURSERYMEN IN IRELAND

W. D. Adsett writing in a recent number of *Horticulture* gives the following account of a new organization in Ireland.

"A very useful organization, the Horticultural Trades' Association, which comprises many of the leading members of the trade, has lately held its annual meeting at Belfast, Ireland. Besides the election of officers and the passing of the accounts, the members discussed several matters of moment to the trade, including the effect the proposals of the Chancellor of the Exchequer will have upon the nursery and seed trade. Under the budget proposals which have been the burning question of the hour, it is intended to place additional burdens on the land to meet the increasing demands on the nation's finances. The Trades Federation has also passed a resolution protesting against the suggested land taxes, and pointing out to the Government how the market growing industry will be prejudicially affected. The gathering at Belfast was not entirely devoted to the dry details of business. Time was found to visit the nurseries of Messrs. Alex. Dickson & Sons, Mr. Hugh Dickson, and Messrs. McGredy & Son, who have gained renown for their roses. From this part of Ireland some of the most famous roses have been raised. That their reputation in raising novelties in the future will be maintained was evidenced by the many promising seedlings which were inspected. These will undoubtedly secure additional honors for the firms in the future. Another nursery visited was that of Messrs. Smith, at Newry, where there is a remarkably fine stock of plants and shrubs, including some

very rare and interesting specimens. In the three days' sojourn in the sister isle the visitors found much that was instructive, and needless to say, the hospitality of their Irish colleagues upheld the traditions of the country."

### TOOK MANY PRIZES

At the New York State Fair held at Syracuse, N. Y. early in September, Ellwanger and Barry took many first prizes. In the professional class, this firm took first prize for the largest and best collection of pears; first prize for best collection of twenty pears; first for best collection of ten pears; first for largest and best collection of plums, first for the largest and best collection of grapes and first for the best ten bunches.

### MISTAKE CORRECTED

In the September issue in connection with the obituary notice of T. C. Thurlow, it was stated that the business of the Cherry Hill Nurseries would be carried on by his sons Edward and Winthrop. It should have been said that George and Winthrop would continue the business. We learn that Edward Thurlow has decided to enter another



Entrance to the Home Grounds, W. N. Scarff, New Carlisle, Ohio

line of work.

### MANUAL ON THE EVERGREEN

As noted elsewhere in this issue this manual is one of a set of three. The second edition has been corrected and enlarged. Like the others it is well illustrated and covers the subject well and exhaustively. Thirty years' actual experience is the basis of the author's knowledge. Copies can be obtained by addressing the author, C. S. Harrison, York, Neb. Price 25 cents.

A trial subscription to the National Nurseryman can be had for 10 cents. Send now.

### FARMERS' BULLETIN, 371 Drainage of Irrigated Lands

The idea that lands which need irrigation require drainage as well, is a new one to some people, but the difficulties which have met cultivators on the older irrigated lands of the Pacific Coast bring home the question of managing soils in such a way that deleterious substances, such as alkali, arising under irrigated conditions, be removed by providing drainage. This whole matter is very fully discussed in the above Bulletin by Charles F. Brown. Plans for arranging and constructing tiles with estimates of cost are given. The Bulletin is a valuable one in sections where irrigation is a necessary part of farm practice.



## Quiz Column

EDITOR NATIONAL NURSERYMAN:

Dear Sir: Is the pecan hardy in Illinois? Could you give me the name and address of some *reliable* nursery company or individuals who sell the paper shelled pecan a good grade of English walnut and the Japanese chestnut? Also where in your opinion is the best part of the country for these to be grown in? How is Alabama near Mobile?

Could you give me any information where I could get the best or a first class book on the culture of the Pecan, English walnut, Japanese chestnut and the Cherry? I want to get these books as soon as possible. Please let me know by return mail. I am, yours truly,

Chicago, Ill.

SAMUEL TOLES.

### ANSWER

The home of the pecan is in the Gulf States. It runs as far north as southern Indiana and there are one or two thin shelled varieties of this northern hardy form which are apparently worth cultivating. The southern type would not be hardy in any part of Illinois. We would recommend you to correspond with the nut nursery companies advertising in this Journal and other firms making a specialty of nut culture. There are several specialists in the propagation and cultivation of the Pecan whose advertisements appear in our pages. The walnuts of commerce, however, are grown in this country mostly on the Pacific Coast. They range from northern California through Oregon, in parts of Washington and to some extent in British Columbia. There are few, if any varieties, reliable in the East and we do not think that any of them would succeed in the upper Mississippi Valley States. The Japanese Chestnut succeeds in New Jersey and the Middle Atlantic States, but after all is not likely to prove as satisfactory as the improved forms of the Spanish Chestnut. The best book on the Pecan is published by the Petersburg Publishing Co., Petersburg, Va., and written by H. Harold Hume. A general work covering nut culture, is published by the Orange Judd Co., written by Fuller under the title of the Nut Culturist.

If you are interested in nut culture you should subscribe for the Nut Culturist a periodical devoted to the industry and the organ of the National Association of Nut Culturists published by Dr. J. F. Wilson, Poulan, Ga.

EDITOR.

### NURSERY INCORPORATED

The Southwestern Nursery Co., of Okemah, Okla. have incorporated under the laws of Ohio, with C. N. Peters as president, R. H. Gibson, of Troy, Ohio, as secretary and treasurer, and C. M. Redmond, of Okemah, Okla. as general manager. Mr. Redmond is a thoroughly reliable and competent nurseryman, having been nursery foreman for Peters & Co., of Troy, Ohio for nearly twenty-five years.

Enclosed find \$1.00 for another year's subscription. You are putting out a very good trade Journal and I think it should have the patronage of all Nurserymen.

Odessa, N. Y.

ELMER SHERWOOD.

### COLORADO APPLE EXPOSITION

The great Colorado National Apple Exposition will be held in Denver, January 3-9, 1910, under management of Colorado fruit growers and Denver chamber of commerce.

The Stark Brothers Nursery Co., of Louisiana, Mo., is very much interested in the development of the apple industry of Colorado. They have given more than 2,000 nursery trees to the exposition association to be used as premiums for displays of apples. This is only a sample of the interest that is being taken in the exposition by persons and firms outside the state. Whatever Colorado attempts usually is a success, and in this case the reputation of the state is not likely to be lessened. The apple growers of Colorado will see to it that the show is just a little above the standard.

The prize list as it is being arranged is to be one of the most attractive ever offered for a like show. For example, one prize is \$1,750 for carloads, \$1,000 the best, \$500 for the second and \$250 for the next.

### NATIONAL APPLE SHOW

The National Apple Show to be held at Spokane, Wash., November 15-20, has for its objects the following:

To popularize the apple as a national fruit and food. To assist growers in orcharding and the marketing of their products. To encourage the growing of cleaner and better fruit and more of it. To supply the every-increasing demand for high grade commercial apples. To demonstrate to the West the possibilities of intensive cultivation, and, to show to the East the value to the whole country of this development.

These are the chief objects of the National Apple Show, Inc., headed by Howard Elliott, president of the Northern Pacific Railway Co., which will award prizes and premiums, aggregating more than \$25,000, at its second competitive exhibition, free and open to the world in Spokane, November 15 to 20, inclusive;

The chief prize this year is the sweepstake of \$1,500, to be awarded in the carload class. This calls for 630 boxes or 210 barrels of commercial winter apples of one or more standard varieties. There will be carload competition on varieties, also contests, barrel, box, pyramid, basket, jar and plate displays, in each of which the management has arranged for the distribution of substantial prizes, in addition to gold and silver medal banners and diplomas.

The association has adopted the rules of the American Pomological Society, and in making the awards the judges will consider these points: First, value of the varieties for the purposes to which they may be adapted; second, color, size and uniformity of fruit; third, freedom from marks of insects and other blemishes; fourth, pack.

While the primary purpose of this enterprise, originated and fostered by the people of Spokane, is to establish a standard, to assist growers in the culture and marketing of the fruit and to create and supply the increasing demand for the apple, it is designed also to bring together the growers and the men who handle the products of orchards in a commercial way, with a view toward the greater development of the industry.



## FOUNDATIONS OF AMERICAN GRAPE CULTURE.



THE book "Foundations of American Grape Culture" marks Mr. Munson as one of the foremost and most gifted nurseryman authors in the country. It is doubtful whether (in the horticultural line) another such exhaustive, accurate, well printed and well bound book has ever been gotten out by private enterprise.

A few facts as to the fitness of Mr. Munson to deal with the subject may be gleaned from the preface. From it we learn that he early developed a passion for experimentation and the securing of new varieties of grapes. Through many trials and disappointments, he carried on his work until 1876 when he moved to Denison, Texas, from Nebraska. He bought and improved a rough piece of dark limestone, timbered land on the bluffs of the Red River. In the woods nearby grew innumerable wild grapevines while on the higher sandy lands covered with post-oak, black jack, hickory, scarlet oak and other timber grew many "Post Oak Grape" vines (*V. Lincecumii*) generally climbing the post-oak trees, hence the name of Post-Oak Grape. Along the ravines of the uplands and in the river bottoms, were numerous vines of the "Mustang Grape" (*V. caudicans*), the "Sour Winter Grape" or "Frost Grape" (*N. cordifolia*) and "Sweet Winter Grape" (*V. cinerea*). Directly along the high banks of the Red River were found vines of the "Sand" or "Bush Grape" (*V. Songii*), and occasionally vines of the "Riverside Grape" (*V. vulpina* or *riparia*.) Mr. Munson

soon learned that in all the Southwest, especially the dry, hot parts of Texas, the northern varieties of *Labrusca* and its hybrids with *Vinifera* were subject to many diseases, short-lived and their fruit lasted only a short season in July. Right there in Texas, however, was a profusion of native grapes, perfectly suited to the soils and climate, little subject to disease. What was to hinder the

selection, crossing and hybridizing with fine quality grapes? The many years spent by Mr. Munson in carrying out the work suggested by this question have resulted in his book. It is a long story to trace the development of Mr. Munson's study of the grape. It suffices to say that the present book is a summation of all the work hitherto accomplished by the author.

The table of contents shows the wide range of information given: Botany of American Grapes; Breeding Varieties of Grapes; Description of Varieties; Adaptation of Varieties; How to Start a Vineyard; Protecting the Vineyard from Insects and Fungi; Disposition of the Crop; The Grape for Home Adornment, Made, Fruit and Health.

It would be impossible to describe further the book and its treatment of the subject without writing a very lengthy and detailed review. Characterized as a whole, "Foundations of American Grape Culture," is complete, accurate and thorough. Nothing that has been done upon the subject can compare with it in these particulars. It is unique among horticultural publications and bears the stamp of careful, systematic, enlightened effort.

J. S. G.



R. W. MUNSON



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AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900

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American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.  
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.  
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National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.  
Pacific Coast Association of Nurserymen—President, C. Malmo, Seattle, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.  
Pennsylvania Nurserymen's Association—President, Thos. B. Meehan, Dreshertown, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.  
Southern Nurserymen's Association—President, R. C. Berckmans, Augusta, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.  
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.  
Texas Nurserymen's Association—President—J. B. Baker, Ft. Worth, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.  
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kans.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.

## THE RURAL NEW-YORKER AND BURBANK

The *Rural New-Yorker* has been unsuccessful in raising a "peep" from the Pacific Coast "wizard" on the matter of the identity of the "Wonderberry" and the "black nightshade." The editor then rises to

remark as follows:

"Burbank !!! If there is any smaller man in the country, will some one take a microscope and find him? We have proved that his "Wonderberry" is a black nightshade. We are now ready to show that the plant has been growing for years in Mexico, and that "Wonderberries" have been on sale in Mexican cities. Yet Burbank stood by with the money in his pocket, while John Lewis Childs printed the following:

We shall offer for the first time in our next spring catalogue the greatest novelty ever introduced by us or any one else. It is a plant of such startling novelty, merit and usefulness that it must be in the possession of every one who has a garden, or grows a plant at once. Nothing like it, or one-half so valuable ever known.

Some men will crawl through a pin hole and save their face, but there is not even a pin hole for Burbank. He has now been convicted by his own silence. Thousands who formerly took whatever he said as horticultural gospel without an argument now hail from Missouri, and you will have to show them. If Burbank had come out man fashion and fought for his "Wonderberry" the public would have had respect for him. When he runs from his offer to give \$10,000 and chases himself into silence he proves that he is not a "wizard," but a very common piece of clay."

## THE ELBERTA PEACH

There is probably no instance in the history of fruit growing which presents a case similar to that of the Elberta peach. A variety comparatively unknown twenty years ago, it is now the most extensively

planted of all peaches. It is probable that there are more Elberta peaches in many (if not in most) peach sections of the country at the present time than there are of all other varieties combined. It is the great mid-season standard. A somewhat serious question arises as to whether it will continue to be profitable when planted in this extensive way. Growers in New York and the East are beginning to feel that the mid-season period is a good one to avoid, and that if an orchardist can secure a variety which will ripen a little ahead, or a little after the great peach glut, he will obtain larger profits than if he continues to plant the kind which in the main is most reliable by reason of its assured productivity. Of course in the case of the peach it does not take many years for a variety to drop out, for the life of the peach orchard in any part of the United States runs but little over a decade. In the more favorable parts it may exceed this a trifle but the orchard in the average region will have run its course in that time. We are quite willing to admit there are many persons who can say they have profitable orchards much older, but we are now speaking in terms of broad averages. The peach of the future then, it seems to us, is one that will anticipate, or follow the Elberta season.

A few weeks ago when discussing varieties of peaches with growers in British Columbia we were told that nothing but yellow flesh peaches were wanted in their markets. This would seem to strengthen the need of seedlings of the Elberta type for the coast region, but they should be earlier or later in season. Give us an early Elberta and make it a little better in quality.



### PRICE OF FOREST TREE SEEDLINGS

In looking over the catalogues of nurseries interested in growing forest tree seedlings one is struck by the extraordinary range of prices exhibited for the same grade of a given kind of stock. Our attention has been recently called to this in connection with the price of catalpa seedlings. Is it possible to grow and sell at a profit catalpa seedlings of any size for \$1.15 per thousand? Can any one afford to handle such plants for approximately one-tenth of a cent each?

The Sylvicultural Branch of the U. S. Forest Service recently issued a circular entitled "Hardy Catalpa" in which seedlings are quoted as low as \$1.15 per thousand, at which price the requisite number of trees required to plant an acre of land in catalpas to be grown for forestry purposes would aggregate the magnificent sum of \$3.13. This was in Nebraska and under Nebraskan conditions. The question arises, are Nebraska nurserymen officiating as philanthropists or are they in the business for the purpose of making a livelihood? If they imagine that catalpa seedlings of any size can be grown and handled for \$1.15 per thousand, are they not seriously mistaken in their calculations? In our judgment the growing of seedlings for any such price will certainly contribute less to gain than glory, and we are not sure that there will be a large return of the latter.

The Forest Service circular states further that they have tabulated prices from forty-one nursery catalogues and find the variation in price to run from the figure quoted, \$1.15 per thousand, for 6 to 8 inch seedlings, to \$15.00 per thousand for seedlings from 24 to 24 inches. There is also a wide range within each grade. For instance \$2.00 to \$5.00 is quoted for 8 to 12 in., \$2.50 to \$7.00 for 12 to 18 in., \$3.00 to \$10.00 for 18 to 24 in., and \$5.00 to \$15.00 for 24 to 36 in. seedlings. These low prices and this tremendous diversity in price suggests the desirability of nurserymen getting together a little closer and improving their understanding as to the cost of growing catalpa and possibly other forest tree seedlings.

### INSPECTION OF NURSERY IMPORTS.

The invasion of the fruit interests of the country by foreign parasites, such as San Jose scale, gipsy moth and brown tail moth, has become so serious that orchardists are taking steps to guard against further introductions of this kind. There is a general feeling all along the line that prevention is better and easier than cure in the case of these pernicious pests. It is, indeed, difficult to estimate, taking a concrete case how much would have been saved to the country had San Jose scale been kept out. What insect and parasite free conditions mean to a section is well illustrated by the state of things prevailing in certain parts of the Pacific North West. In some of these remote valleys where fruit growing is new and parasites have not yet been introduced fruit production is "a dream." The fruit is fair, unblemished and perfect, without the necessity of continuous warfare and heavy expense against the enemies that injure and destroy. It makes a vast difference whether 90 per cent. of the fruit grades No. 1 without spraying and other troublesome effort, or whether it grades

50 per cent. No. 1 with an expenditure of 25% of its gross value in checking the inroads of parasites. Fruit growing would not be possible in many of these remote regions where transportation is poor and where the distant market is the only one, were it not for the present freedom from introduced parasites.

We cannot expect to develop such conditions in the East, but we can at any rate use our best efforts to keep our region as free as possible from foreign pests. To this end the nurserymen have been considering the inspection of imported nursery stock and the passage of a federal statute providing for a feasible and practical means of inspecting such stock as it comes to us through our various ports of entry.

The American Pomological Society, representing the orchardists of the country, at its recent meeting in St. Catharines manifested its interest in this project by authorizing the appointment of a committee to further the passage of such an act. The naming of the committee was placed in the hands of the executive committee and President Goodman will probably announce the personnel of the committee in a short time. With the nurserymen working at one end of the line, the orchardists at the other, and the entomologists of the country cooperating with both, there is no valid reason why an effective and practical inspection measure should not be formulated and put upon the statute books before long. Such a bill should be so framed as to avoid hampering the commercial interests of the nurserymen, and on the other hand, should provide satisfactory guarantee that it is not merely a statute but a practical guard against the introduction of pernicious insect or fungus pests, from the older plant growing regions of the world.

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## Obituary

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### PETER BARR

One of the most interesting figures in the English gardening world has recently passed away in the person of the late Peter Barr, who was known as the daffodil king, and was born on the Clyde in 1826. When but thirteen he began his horticultural career in the city of Glasgow where he obtained a thorough and practical knowledge of the nursery and seed business. Seven years later at Newry, Ireland, then at Worcester, England, and finally in London he acted as manager for several seed houses. In 1861 at Covent Garden he entered into a partnership which lasted until 1882 when the firm name was changed to Barr & Sons, as it still appears today on King Street, Covent Garden.

Mr. Barr's first important contribution to horticulture was one of the largest collections of the lily family made up to that period. It was the work of several years and later the basis of a very important monograph on the subject.

But it was on the daffodil he became leading authority. On it he spent the span of a normal lifetime. He popularized the flower and gave it a rank of first importance. His descriptive list of daffodils entitled "Ye Narcissus" is a standard work found in all botanical libraries.

In his wide travels to enrich his collection, Mr. Barr discovered some of the leading varieties of daffodils. Norway



and Sweden, Sicily, Italy, Switzerland and Germany were well known ground to him. On his three years' pleasure trip around the globe in 1898 to 1901 he visited most of the principal horticultural centers. It was a tour which brought him the keenest enjoyment of his life. Returning to his English home, his remaining years were passed in quietness, with mind unimpaired and spirit buoyant. He was a recipient of the Victorian Medal of Honor.

Only a few days before the dispatch brought news of the death of the daffodil king we had the pleasure of reading a long letter in his own hand, congratulating us on American progress in peony culture. In addition to the words of commendation the letter contained valuable information regarding the best collections of peonies in Europe, and giving his recollections of his last visit to Cornell University.

He says in regard to collecting peonies: "I spent many years in collecting *Peony albiflora* from the growers of France, Holland and at home (Britain). I found all the best had a multitude of names. I set to work to get rid of the synonyms, as a first step, selecting the best name. Then I classed them into colors, as you will see from Barr's plant catalogue. The third step was to make a selection of the very best forms. It is now nearly fourteen years since I handed over the business to my three sons and in that time they have increased it considerably." Speaking of his travels, Mr. Barr says: "When I visited Cornell I was on a five years' tour, passing twice over the United States and spending one year six months in Japan, then a short stay in China, visited the Philippines, and did Australia from Port Darwin to the gold fields of Western Australia, New Zealand from Auckland to the Bluff, round Tasmania, two voyages in the South Sea Islands, and nearly two years in South Africa. On getting home I prepared to go to Cairo and up the Nile to Khartoum, then through Palestine and Cyprus to Constantinople, returning home by Greece, and settled down here and took up as a hobby the task of improving the primrose and polyanthus. I have made good progress with the polyanthus. Would you like some seed? You can rely upon my sons being willing to cooperate with you in your peony studies." This suggests the vital and close interest which this veteran horticulturist maintained in the general field of plant culture practically to the end.

Those who met Mr. Barr on his American tour were impressed with his vigor and keen interest in all branches of plant development. His example will remain a stimulus and inspiration to those who love gardening for its own sake.

#### A NOVEL METHOD OF TOP WORKING OLD TREES

After sawing off the branches where we wish to insert the cions, it has long been the usual custom to *split the stock* in some form with some tool and hold the cleft open to receive the cion, but it was almost a barbarous method and often, with the greatest care, invited decay and disease and endangered the usefulness and life of the tree. There have been many efforts made to find some method to avoid the splitting. I know one Scotch horticulturist, who, by his knowledge and skill, has made a reputation on three continents and friends wherever known, has used his knife to cut a V-shaped recess in the side of the stock in which to place the tapered end of the cion, but the process was slow

and only used in occasional work. A few years ago a little hand machine was invented and advertised here in California to cut the recess. The idea seemed a good one at first sight, but, like many others, proved so in theory only. The knife was hard to keep sharp, and the back of the stock was apt to be torn and lifted around the cut. We have heard nothing from it for several years.

A few years ago a rather new idea originated with a Mr. W. S. Coburn of Hotchkiss, Colorado. [*Reported in the Proceedings of the American Pomological Society, 1905 Ed.*] Instead of splitting the stock, he made a kerf with his pruning saw into the side of the stock, perhaps a half inch deep at the upper portion and extending down the side far enough to give the cion a proper seat—about one and a half inches, and then with a saddler's or other knife, formed a V-shaped recess. This was much better than the old method, but the tools and the time required seemed to make it rather slow, and I tried several combinations of saw and knife to do the work more speedily, but they all seemed to be more or less a failure.

Among my old tools was what used to be called a sash saw, a small saw about a foot long, with thin blade, a stiff back and about twenty teeth to the inch. Dressing it as a rip saw (my old wood working friends will know what that means), running an oil stone lightly along the side of the teeth to make them smooth and true; boring a hole through the handle for a buckskin string to pass over the wrist, I soon found I had a tool, that, with a sharp pocket knife was just what was wanted. The saw being so thin and the teeth so fine, a V-shaped recess was easily sawed out that required little or no dressing or smoothing to receive the graft and a tap or two with the handle of the knife used to shape the cion placed in it firmly, ready for waxing. The width of the wedge-shaped piece sawed out of the stock should, of course, correspond with the size of the cion to be placed in the recess formed. The essential feature in having the saw do its work properly is that the teeth are very *fine, true* and *sharp*. It is said that "a workman is known by his chips," but his best work, in either chips or the final result very much depends on the shape and quality of the tools he uses. I have used this method for the past two years and it has proven itself so satisfactory that now I would use no other that I know of in grafting over bearing trees and it can be used on stocks as small as half an inch in diameter.

The wounds heal over more quickly than in the old splitting method; no sour sap oozing from the stock as is so often seen and a sure sign that nature is having a hard struggle with decay and disease; the cions grow with a more uniform vigor and a less percentage of loss and beside the method is so simple, requiring so few tools and so few different motions in the work that it very soon comes easy to the hand and almost a pleasure instead of a painful duty. The pruning saw to cut off the limbs, which you lay aside as soon as you have cut from the tree what you wish, and then with your cions, your little saw hanging on your right wrist in easy reach of the hand and your pocket knife sharp, you are all ready to do *your* work, and when it is properly finished, Nature left in a way to easily do hers.

FRANK FEMMONS,  
Cal.



## Doings of Societies

### NATIONAL NUT GROWERS MEET IN GEORGIA

That increasing interest is being taken in Nut Culture and especially Pecan Culture was strikingly evidenced at the eight annual convention of the National Nut Growers Association held at Albany, Ga., Oct. 12, 13 and 14. The attention of the convention was centered almost exclusively on the pecan. There was a moderate display of the better varieties of this nut and many valuable facts were brought out in the discussion on varieties. Various points of culture including deep vs. shallow cultivation, insects and diseases attacking the pecan were also discussed. The general feeling among the nut growers regarding insects and diseases is a very optimistic one. They are not troubled over the fact that a few insects and fungi like nuts. Rather they congratulate themselves that their enemies in nut culture are fewer and less formidable than in any other line of horticulture.

As the guests of the city of Albany the nut growers were shown by special train thru some of the larger nut interests along the Atlantic Coast Line Ry. Stops were made at various points of interest as at the South Georgia and Albany-Georgia company's and conveyances provided for more thorough inspection. An old time Barbecue at Dewitt proved a most agreeable feature of the day's program. A smoker and theatre party at night ended the pleasures of the last day.

Forty new members were added to the roll of the association. Substantially the same officers continue to serve the association the ensuing year. Next convention at Monticello, Fla., 1910.

G. H. TOMLINSON.

### OREGON STATE HORTICULTURAL SOCIETY

Gentlemen:

The annual meeting of our Society will be held in Portland, Dec. 7, 8 and 9. Along with our program we always have a very large exhibit of apples and other fruit.

The society was recently incorporated. Life membership fee \$10, annual dues \$1.

Through the settlement of the Haskin bequest we have recently received about \$2500, cash which will be a great aid to our society.

FRANK W. POWER, Sec.

### IMPORTERS MEET

The NATIONAL NURSERYMAN,  
Gentlemen:

A regular meeting of the New York Horticultural Importers Protective Association was held on Thursday, October 7th, at the Astor House, New York, a full attendance being present.

This organization was formed about two years ago, primarily for the purpose of regulating credits of buyers of plants, seeds, bulbs, etc. It includes practically all of the large wholesale importers and agents.

J. McHUTCHISON,  
Sec. and Treas.

### NEW ENGLAND DAHLIA SOCIETY

The largest exhibit of dahlias ever made in the United States was shown in Horticultural Hall, Boston, September 10-12, at the second annual exhibition of the New England Dahlia Society. Many of the exhibits numbered blooms of five hundred to one thousand, and about one-half of the 126 classes scheduled were entered for. The largest exhibit, W. W. Rawson & Co.'s was displayed in a garden plot arranged in the center of the hall, while the loggia was beautifully arranged with R. & J. Farquhar & Co.'s exhibit of dahlias and speciosum lilies with Clematis paniculata draping the walls.

Awards of seven special prizes were made besides seven awards of recognition for new seedlings. The certificate of the Society was awarded to W. W. Rawson & Co., for cactus dahlia "Marblehead." The regular prize list was divided into open and amateur classes. A number of displays of miscellaneous material were also put up under the auspices of the Massachusetts Horticultural Society. The exhibit was a big success despite the unfavorable weather, as the good attendance on all three days witnessed.

### NATIONAL APPLE SHOW

As announced in a previous issue of our journal the date of this show has been changed from Dec. 6-11, to Nov. 15-20. The change has been made in the interest of the growers of the North West.

The judges at the show are: H. E. Van Deman, Washington, D. C.; George J. Kellogg, Lake Mills, Wis.; H. N. Dunlap, Savoy, Ill.; A. P. Bateham, Mosier, Ore.

The prize list has been considerably extended over that of last year. The score card method of the American Pomological Society will be used as a basis for making the awards.

### ILLINOIS HORTICULTURAL SOCIETY

The 54th annual convention of the Illinois State Horticultural Society will be held in Champaign, Dec. 7-17, 1909. This Society is doing a type of distinct institute work. The first week of the convention will be devoted to lectures and discussions upon general horticultural subjects. The last three days will cover the meeting proper.—W. B. LLOYD, Kinmundy, Secretary.

### MINNESOTA CONDITIONS

Editor NATIONAL NURSERYMAN:

We are in the midst of our fall digging at this time. The season has been very peculiar and not the best for nursery work in this section. Up to the tenth of October we had a continuation of warm, dry summer weather, and then the sudden cold wave, with severe freezing. However, that is over now and indications are that we will be able to get the autumn work well out of the way before winter sets in. The business outlook for spring 1910 is very good. With a continued business prosperity and anything like good prices for grain, the Northwest ought to plant more trees than ever before.

THE JEWELL NURSERY CO.,  
Lake City, Minn., Oct. 20, 1909. R. D. Underwood, Secy.



## AUTOMOBILIOUSNESS

In response to an invitation to join the automobile parade in Rochester, Mr. Chas. J. Brown, of the Continental Nurseries, of this city, received the following interesting letter:

In reply to your invitation to join the automobile parade on Oct. 22d, I would say that my automobile seems to be strictly an annual. It has been a very prolific bearer the past summer but refuses to work now, and I am inclined to think it will have to lie dormant until spring when it will need either pruning, grafting or spraying, or perhaps all three combined.

I have recently had it in the hands of three experts, each of whom has rendered a very nice bill but has failed to make the automobile respond to his treatment; and I have concluded that perhaps it needs more humus in the running gear, or an application of lime and sulphur to the universal joint, or possibly some Bordeaux mixture in the carburettor might help. Do you think that Paris green in the cylinders would destroy the automobile bug or would you look for the blister mite under the leaves of the springs?

Some think that the top should be cut back, while others contend that the bark needs to be scraped from the body, but I have laid it up for the winter and shall wait for the opening of spring before I resort to any drastic methods.

Therefore, in view of the complications I have mentioned I shall be unable to accept your kind invitation, a fact which I very much regret, for I am sure the parade will be a great success and a pleasure for the participants.

Yours very truly,

FRANK W. CADY.

## Among the florists

Mr. Joseph Kift, florist, of Westchester, Pa., has recently extended his greenhouse plant by adding 15,000 sq. ft. to his equipment.

The forcing of Sweet Peas is coming to be an industry of some importance. Edward Swaine of Westchester, Pa., devotes about 6000 feet of glass annually to the growing of this crop.

Mr. R. T. Brown, manager of the Cottage Gardens Nurseries, Long Island, recently returned from an extensive European trip. Mr. Brown visited the principal nursery regions in France, Holland, and England and comes back with much information and many new ideas regarding plant growing in these countries.

Hoopes Bro. & Thomas Co., Westchester, Pa., have been enlarging their glass house area to a very considerable extent. Nearly half of their 18,000 ft. is now devoted to the growing of roses.

## NATIONAL SWEET PEA SOCIETY

The first planting of sweet peas on the trial grounds of the National Sweet Pea Society by the Department of Horticulture of Cornell University was made on the 18th of October. Successive fall and spring plantings will be made of the same varieties to determine if possible the most favorable time for either fall or spring seeding. The main planting for comparative study will be made in spring. Large collections of seed have already been donated by Messrs. Boddington of New York, and Rawson, of Boston. A meeting is called for November third, in the museum of natural history New York.

## Note and Comment

### GREENHOUSE CONSTRUCTION

One of the most interesting discussions of this increasingly important branch of nursery work that we have seen recently is the paper presented before the American Carnation Society at its Toronto meeting, by R. O. King. In this paper Mr. King discusses in a careful and accurate manner many of the technicalities associated with the roofing question which are very important in construction work. He has studied the breaking strength of glass of different sizes and thicknesses. He finds that the strength of glass is not proportionate to its thickness but rather to the quality of the glass. This he thinks is due to the difference in annealing. If a careful study of this question were made by greenhouse men, and glass of uniform thickness and uniform quality were selected, much less trouble would be experienced and much less expense sustained in the winter time, when glasses so frequently break under the stress of snow and ice. This point is only one of many of equal interest treated in Mr. King's paper, and to those who have special interest in the subject we would commend the whole article to their careful attention.

### CO-OPERATIVE SELLING ASSOCIATION

#### Peninsula Exchange

"As a type of a well organized and managed association in the East, W. N. Hutt, of the North Carolina Station, gives the following description of the Peninsula Produce Exchange of the eastern shore of Maryland: This exchange operates along the lines of the New York, Philadelphia and Norfolk and the Baltimore, Chesapeake and Atlantic Railroads. It has 25 local shipping points at each of which is an agent who inspects and brands the grade of produce, and reports to the head office at Olney the amounts and grades of fruit and truck received. The general manager in the head office is in touch by wire with prices in all the large markets, and as soon as the daily reports of receipts and grades are wired in from his local agents is in a position to make his sales and place his consignments where the demand is greatest. The exchange is said to spend over \$10,000 annually in telegrams regarding crops, markets and prices. The capital stock of the exchange was reported in 1905 at \$31,000. This was owned by the 2,500 farmers who sell through the exchange. In 1905, a dividend of 7 per cent. was declared and in 1906, a 10 per cent. dividend. In addition to this a surplus was laid by for emergencies. The exchange forwards annually thousands of cars of both sweet and Irish potatoes in addition to other truck and fruit. It is reported as doing an annual business in the neighborhood of \$2,000,000."

### CANADIAN FRUIT CROP REPORT

The effect of the aphid in Ontario has been clearly demonstrated at harvest time by the large quantities of partially developed apples and the unusually small size of all specimens. As a rule the apple crop in Ontario will range light as to quantity and low as to quality. The pear crop in Southern Ontario has been moderate but of good quality. Plums were plentiful and of excellent quality. The peach crop was large and better in quality than growers have secured for many years.

Reports from Europe indicate that the fruit crop of Britain, Germany and France is medium to light.

### MR. MOON'S ARTICLE ON CONIFERS

The remainder of this valuable paper will appear in the December issue.



## FROM CANADA

As a sample of the way our journal is received we quote from a letter from Campbell and McCall, Penticton, B. C.: "We would not be without the publication now. From a business standpoint it is indispensable, while the articles are interesting and instructive. The whole get-up is a credit."

## OUR PUBLIC PARKS

A few years ago, some of us when we spoke of parks thought of geometrical beds filled with flowers and surrounded by gravel walks. Everywhere there was evidence of formality, the condition from which we need to get away, when we want rest.

Now a great cool wave of change is engulfing the situation. We have a big tract of land, part smooth and part rough, part densely wooded, part in cool shades and part smooth grass, with clumps of flowers and flowering shrubs around the edges of the thickets. We like high and low land because our lives are made up of variety.

The best land for a park is usually the cheapest land in the neighborhood. The town or city that procures and sets aside such a tract before land values rise is to be congratulated. The philanthropist who gives such a tract confers a lasting blessing. If it is good political economy for a city to pay a health officer, it is right to use public money in acquiring and maintaining parks.

F. T. RAMSEY.

## Obituary

## PETER E. KAY

Mr. Peter Kay, a well known and esteemed nurseryman of Claimair, Vineries, Church End, Finchley, England. Death resulted from heart failure. The deceased was 56 years of age and most of his life was spent at Finchley developing his business. Mr. Kay gained eminence as a successful cultivator of grapes, he being one of the first to devote attention to the Canon Hall variety of musc.

The funeral was held Wednesday, August 25, at St. Paul's, Finchley. Mr. Kay leaves a widow, two sons and two daughters.

J. S. GALLAGHER.

## A TRIBUTE TO THOMAS C. THURLOW

In the death of this gentleman, Horticulture loses one of its finest representatives. He was a devout and reverent Christian and all the flowers he so dearly loved seemed to be a part of him. He was one of the purest, sweetest souled men I ever saw. I never knew a man with a finer appreciation of all that was beautiful. His grounds were a garden of delight and how he did enjoy his flowers. Lovingly he would linger over them and drink in their beauty. And while quite ill his children went out and gathered great armfuls of his finest peonies and stood great vases full of them and he said with rapture, "They cured me. They were the best doctors I ever had."

He was the father of the peony business. He wrote the first article of any importance of any one in America. He first awakened in the heart of the writer an interest in this resplendent flower. Much of interest awakened in late years in perennials is traced to him. He always wanted the best regardless of price and almost always carried off the prizes at the great Boston shows.

I first became acquainted with him in the fall of 1889. We had some correspondence and he wrote me, while living in Franklin, Nebraska, that if I ever came east I must make his house my home. I did so and was immediately adopted into the family. We became chums. We were of the same age and he would introduce me as his twin brother. Once while recovering from rheumatic fever he took me home and kept me till I recovered. Our comradeship is one of my pleasantest memories. It was such a shock to hear of his death. He was never strong and for the last ten years he was an invalid, spending several winters in the south.

He married late in life and leaves four children. His daughter, Susan, was his constant companion and gave him almost reverent attention. Edward is preparing for the ministry. George and Winthrop are proficient horticulturists and will carry on his work.

He was born in 1832 and was nearly seventy-seven when he passed away, July 21st. He gently breathed his last surrounded by a devoted wife and children. His last letter was written to me.

He leaves a better and more beautiful world as he passed through it on the

"Sweet fields beyond the swelling flood,  
And never withering flowers."

—C. S. Harrison, York Co., Neb.

## A GIANT GRAPE VINE

Hampton Court, one of the interesting royal palaces of England, possesses a garden of surpassing attractiveness. While the average visitor journeys down to Hampton Court to see the picture galleries, the great hall, the collection of armour and other features in and about the magnificent group of buildings, the horticulturist has in mind, the beautiful park, the wonderful maze and perhaps, although last not least, the great black Hamburg grape vine. This he has heard is the most wonderful grape vine in the world, so that he directs his steps to the house in which the vine is growing. He finds it in a glass house all to itself. A huge stem 54 inches in circumference, a foot above the ground, rises out of the soil, from which several branches radiate and spread themselves entirely over the roof of a lean-to house some 30 by 100 or more feet. The vine is said to be 140 years old, and bears from one to two tons of grapes per annum. What it might bear were it not carefully thinned, is difficult to say. At least a thousand bunches are cut away each season and the annual crop permitted is from 250 to 300 bunches, weighing from one to three pounds each. The fruit of this vine is used exclusively at the King's table or disposed of at his direction.

Historical specimens of this kind are to be found here and there in Briton and on the Continent. It admonishes us that we should preserve as far as possible, these records of horticultural progress.

## SPRAYING FOR CODLING MOTH IN OHIO

The Ohio Experiment Station has recently issued a bulletin on the results of spraying apples for codling moth in 1908. A Ben Davis tree sprayed twice with Bordeaux and arsenate of lead produced less than one per cent of wormy apples. Another Ben Davis sprayed once with the same mixture gave a little over one per cent of wormy fruit, while another tree sprayed with arsenate of lead just after bloom, and Bordeaux with arsenate of lead two or three weeks later, gave practically the same amount of wormy fruit. On the check tree not sprayed in the Ben Davis series practically one-third of the apples were wormy.

In the case of Baldwins treated in the same way, the per cent of wormy apples was slightly greater, being a trifle over one per cent in each case.

The bulletin gives strong encouragement to those who have any doubts as to the efficiency of spraying as a preventive for codling moth. It suggests that the most effective time is just after the blossoms fall.



## Fruit and Plant Notes

### SHRUBBY CLEMATISES

By the judicious grouping of various species of clematis a very pleasing feature may be introduced into the garden, and by the inclusion of six or eight species a succession of bloom may be kept up for at least six months of the year. Some of these species are vigorous growers, and are far more amenable to cultivation than are the larger flowered garden varieties. Even our common British species *C. vitalba*, possesses qualities which warrant its inclusion in certain positions, for at its best it is ornamental, whilst its rapid growth peculiarly fits it for planting in those positions where a screen is desired in the shortest possible time. There are, however, many exotic species which are infinitely more beautiful than the native species, but, unfortunately, with one or two exceptions they are rarely met with.

To obtain the best results from these species they should be planted in good loamy soil containing lime, and should be provided with an informal support to ramble over. An old fence forms an excellent support, whilst pergola pillars, summer houses, or informal groups of oak branches are also first rate. If an old holly can be given up for a white flowered species to ramble over, a pretty picture is formed. When first preparing these groups the ground is well worked, and where poor, good loam is provided. The branches to form the support are then inserted, and one or two strong plants are placed at the foot of each. Two years from the time of planting the more vigorous sorts have covered the supports, and they remain in good condition for a number of years. In the following notes attention is directed to some of the most useful sorts for informal planting.

*C. alpina*.—This is a northern European species which inhabits limestone localities. It is but a moderately strong grower but will readily cover a support eight feet high. It is one of the earliest to bloom, its delicate mauve blossoms commencing to open in April and continuing through May. There is a variety with white flowers. Cuttings root well during summer, and seeds are borne freely.

*C. campaniflora* is a very rapid growing plant from Portugal, and forms a good subject for a position where a covering is required quickly. The flowers are borne in profusion in June. They are tiny, scarcely  $\frac{3}{4}$  inch across, and pale mauve in color.

*C. flammula*.—The flowers are cream colored, or sometimes almost white, very fragrant, and borne through the greater part of August and September. The variety *rubro-marginata*, forms a worthy companion plant. The flowers in this case are bordered with red. Although in both cases the flowers are small they are very numerous, and make the plants general favorites. *C. flammula* is a European species.

*C. grata*.—In some respects this Himalayan species bears a resemblance to the common *C. vitalba*. The leaves are, however, larger, and the flowers white in color. It is strong grower, and quickly forms a large specimen.

*C. Montana* is another Himalayan species, and one of the most popular we have. Although usually planted against a wall or trellis, it succeeds admirably in the open, and bears innumerable star-shaped white blossoms in May. The recently-introduced variety from China, called *rubens*, is worth growing as a companion plant, for it is very pretty and free; the flowers in this case are red.

*C. Orientalis*.—This oriental species is easily recognized by means of its tiny yellow flowers which appear from July to September. It is a rapid grower, and flowers freely; the flowers being small, are campanulate. There is a variety called *tangutica*, which is superior to the type. In this case the flowers are very much larger and deeper in color. The fruits are also decidedly ornamental, the thread-like appendages being curiously twisted and contorted.

*C. viticella* is a very pretty European species, and is one of the parents of the well-known *C. Jackmani*. It grows freely, and bears

purple flowers a couple of inches across in great profusion from early June until October. There are several showy varieties, of which *alba* is conspicuous. An illustration of an example of this variety is given in connection with this article. Other varieties are *rubra* and *fl. pl.*

The various forms of *C. florida*, *patens*, *lanuginosa*, and *Jackmani* may also be grown in the manner recommended for the above sorts, but they cannot be depended on to grow so luxuriantly as those species, and are frequently difficult to establish. When planting for a quick effect it is well to bear this in mind and plant one of those sorts which are most likely to succeed, for, although the flowers are, in all cases smaller than those of the numerous garden varieties, all are showy and pretty.—W. D. in *Journal of Horticulture*.

### JAPANESE MAPLES AT ELLWANGER & BARRY'S, ROCHESTER, N. Y.

A visit to the nurseries of this firm by your correspondent found business just getting over its exceptional spring rush. At no other place in New York state can such a fine collection of Japan maples in tubs be seen. They are grown in this way for convenience in housing and shipping, and are conceded to be the best lawn shrub on account of their foliage. Here, a specialty is made of hardy roses and evergreens. Unfortunately the season is late for bloom so was unable to secure any notes of comparison in that line. I am assured, however, by Mr. Maloy that the recent introductions, *Tausendschon*, *Hiawatha* and *Veilchenblau* (violet blue) climbing roses are all that is claimed for them.

In the herbaceous gardens are to be seen some new German iris among which I found *Madam Patti*, yellow and pink; *Queen Victoria*, purple white; *Gypsy Queen*, pink and rosy purple; *Her Majesty*, light to rosy pink; *Newbronne*, clear yellow.

I was too early to see peonies in bloom, but from all appearances they will be gorgeous. *Anchusa*, *Dropmore* variety, is not thought well of here on account of too small flowers for such a heavy foliage.

From *Florists Exchange*, June 19th.

### LIME-SULPHUR TO PREVENT CHERRY ROT

The self-boiled brand of lime-sulphur has been used successfully in a number of places this summer to prevent the ripe rot of the cherry. The formula used is 18 lbs. of quicklime, 8 lbs. of sulphur, slaked with 4 or 5 gallons of hot water; this diluted to 50 gallons before application is made.

### VERMONTERS WAKING UP

An association has been organized in the Champlain Valley to exploit that picturesque, historical and fruitful region. This section has long been known for its fine *Fameuse* apples and it is now acquiring an enviable reputation for producing that handsome seedling of the *Fameuse*, the *McIntosh*.

The Champlain Valley Association will interest itself in exploiting the products of the region and assisting in the sale of land.

### NURSERY OF MESSRS. STONER, ELTON & FORD, THE HYDE PARK NURSERY COMPANY

This nursery is located at Muskogee, near Milton, Okla. The *Milton Advocate* of a recent date gives an interesting account of this somewhat newly established nursery, and shows that the proprietors are shaping their plans towards supplying the trade with a complete line of nursery stock from ornamentals to fruit trees. Forest tree seedlings are being sown in a wholesale way to meet the constant demand on the part of prairie settlers for trees to ornament their homes and to protect them from the sweep of the prairie winds.



# MICHIGAN NURSERY INTERESTS

## THE E. MAUDLIN NURSERY, BRIDGMAN, MICH.

Mr. E. Maudlin established this business in 1890 and was responsible for its rapid growth. When in 1904, Mr. Maudlin was compelled to retire, R. H. McNeil who had worked with him for some time and thoroughly understood all branches of it, took charge and finally purchased the nursery. The present owner makes a specialty of the wholesale trade though there is a fast increasing retail business.

The nursery is in the famous fruit-belt of Michigan and as regards soil, climate and shipping facilities is extremely fortunate.

## MICHIGAN NURSERY COMPANY, MONROE, MICH.

E. H. Reynolds established these nurseries sixty years ago. Their growth was slow until 1889 when the business which had been known as the E. H. Reynolds Nursery was incorporated as the Reynolds & Lewis Nursery. Today the name is as above.

The company holds along Lake Erie at Monroe, a large tract of land which is especially adapted to growing select nursery stock. A general line of stock including fruit and ornamental trees, vines, shrubs, roses and small fruit plants is grown.

The company is now adding to its already extensive equipment, a new packing cellar fifty by a hundred feet to accommodate increasing business.

## THE CENTRAL NURSERY AND FLORAL COMPANY, (Inc.), KALAMAZOO

This firm first existed through the organization and incorporation of the Central Michigan Nursery in 1895.

The company purchased a farm in a fine suburban residential section and located there its growing headquarters and offices. In 1900, the Kalamazoo Nursery and Floral Co.



J. N. Stearns, Kalamazoo Nurseries.

was organized by parties interested in the Central Michigan Nursery, and a range of greenhouses was built on a thirty acre tract just north of the city. In 1901, a consolidation of the two properties and companies was effected, combining the entire plants and businesses of the companies, except the retail floral store. The property north of the city was sold. In 1907, the entire property and assets of the company were sold and transferred to the new organization, which included new capital and personality. L. P. Thurston was elected president and general manager; Miss Jessie L. Sornberger, secretary and treasurer. The present directors are L. P. Thurston, Victor L. Palmer and W. E. Upjohn.

The home grounds consist of seventy acres of land devoted to a large variety of ornamental shrubs, perennials, small fruits, and fruit trees, with a view, exclusively, to supplying a large and constantly growing retail trade. The company employs agents on the road and does a Mail Order Business. There is a greenhouse range of 40,000 feet of glass, in which are grown Carnations, Roses, Violets, Chrysanthemums, Sweet Peas and the like for local trade; a portion of the glass is also used for propagating Roses, and other stock needed in the Nursery. The company has a large storage cellar, underground stables and plenty of barn and shed room. The soil is admirably adapted for raising high grade Cherry and Peach, small fruits, Evergreens and perennials, the latter item being a strong feature.



Block of marketable apples.



### THE R. M. KELLOGG COMPANY, OF THREE RIVERS, MICH.

This company which has the distinction of being the largest exclusive strawberry plant growers in the world, will celebrate its twenty-fifth anniversary in 1910.

When Mr. Russell M. Kellogg changed the location from Ionia, Mich., to Three Rivers, Mich., he purchased ninety acres of land, thinking that this area would for many years serve every requirement of the concern. Today the farm consists of more than 240 acres, and this year's crop of plants represents fully 115 acres. The magnitude of the business is suggested by the fact that orders are filled each

mate average of \$8000 per annum. The farm is located, in part, within the city limits of Three Rivers, and is visited annually by hundreds of people who come from long distances to study the methods employed.

## Correspondence

### TARIFF ON APPLE SEED

Editor NATIONAL NURSERYMAN:

With reference to our note regarding the tariff on French Crab Seed which you published in the October number of



The Breeding Bed on the R. M. Kellogg Strawberry Plant-Farm at Three Rivers, Mich.

year for from twenty millions to twenty-five millions of strawberry plants. To spray the plants each season requires 22,500 gallons of arsenate of lead and Bordeaux mixture.



Two year Plums in Nursery rows. The Michigan Nursery Co., Monroe, Mich.

the NATIONAL NURSERYMAN, it appears that my statement was not quite clear, as I received the following letter from a correspondent.

"In the October NATIONAL NURSERYMAN we note you say that the duty of 10c per pound on seeds N. O. S. makes the duty on a bushel of apple seed amount to \$2.00. Is this correct? Do you figure 20 pounds of apple seed to the bushel? How many pounds per bushel?"

In order to make the matter perfectly clear, I suggest that you publish the following which is a reply to the above letter.

"I think you did not read my statement carefully which appeared in the NATIONAL NURSERYMAN, otherwise, you would have observed that I stated that 'The new duty is 10c per pound, making the *increased* duty over what was paid before amount to about \$2.00 per bushel.' In other words the duty heretofore, was in round figures about \$2.00 per bushel. The new duty will add \$2.00 per bushel, making a total duty this year of \$4.00 per bushel, as it is now 10c per pound and there are forty pounds to the bushel."

Very truly yours,

THOMAS MEEHAN & SONS, Inc.,

THOMAS B. MEEHAN, Secy.

2000 tons of manure are applied each year to fertilize the farm; 350 tons of straw are purchased each season for mulching the plants; the postage bill reaches an approxi-



## Our Book Table

**PRINCIPAL SPECIES OF WOOD: THEIR CHARACTERISTIC PROPERTIES**, by Charles Henry Snow, C.E., Sc.D. 10 1/4 x 7 in, 212 pp., 37 half tone plates, and numerous smaller illustrations. 2d ed. Pub. by John Wiley & Sons, New York, 1908. Price \$2.50.

The second edition of this valuable work on dendrology has been issued by the publishers. The main purpose of the work is to present a statement of the characteristics, external and physical, of the principal trees which produce wood of any note or economic value. One of the leading features of the work is the excellent type of illustration employed. There is included in a single plate a view of the general form and striking characteristics of the mature tree, a sample showing the typical appearance of bark on mature specimens, twigs and fruit, together with a longitudinal section and in some cases cross-sections of the finished wood. The plates are not uniform in this respect as some of them contain illustrations of different parts of allied species, as in the case of the plate showing birch trees we have the yellow and white birch with the sample of birch wood in the same group.

Data on each species follows after a uniform method of treatment, beginning with the nomenclature and including in regular order, locality, physical features of tree, characteristics of wood, structural qualities, uses of wood and strength of wood. The volume then is sure to be of great service to the engineer and the person interested in woods from the industrial standpoint, as well as the naturalist.

### NUT NOTES

One of the most certain things in nut culture is the assurance of a regular market at remunerative price for all the choice nuts that can be grown.

The eighth annual convention of the National Nut Growers' Association will be held at Albany, Ga., October 12, 13 and 14, 1909.

Mr. J. B. Wight's Frotscher tree was planted at Cairo, Ga., in 1892; four years later it bore a single nut. Since then it has made the following record: 1897, 7 lbs; 1898, 10 1/2 lbs; 1899, 13 1/2; 1900, 28 lbs; 1901, 16 lbs; 1902, 45 lbs; 1903, 80 lbs; 1904, 121 lbs; 1905, 131 lbs; 1906, 96 lbs; 1907, 30 lbs; 1908, 166 lbs.

A few days ago the Georgia-Florida Nut Growers' Association held its annual meeting at Cairo, Ga. Last year it met at Monticello, Fla., and among other things, they took stock of the acreage planted in budded and grafted pecan trees in Western Florida and Southwest Georgia and found it to aggregated over 6000 acres. At the Cairo meeting these statistics were brought up to date and showed a total above 10000 acres or an increase of 4000 acres in one year, or 65 per cent. The reports from nurserymen indicate a still larger increase for next season, as fully twice as many orders are booked than was the case a year ago. As far as popular data is obtainable, this section of country leads the world in this popular industry.

## Catalogues Received

Transactions of the Massachusetts Horticultural Society, 1909. Jackson & Perkins Co., Newark, N. Y.—Trade Price List for Fall, 1909.

W. N. Scarff, New Carlisle, Ohio—Semi-Annual Surplus List of New and Standard Bush Fruits.

John L. Childs, Floral Park, N. Y.—Fall Catalogue of Bulbs and Plants that Bloom.

Rockmont Nursery, D. M. Andrews, Prop., Boulder, Col.—Autumn Catalogue for 1909.

W. C. Slocock, Goldsworth Nursery, Woking, Surrey, Eng.—Preliminary Wholesale List for American Trade.

Ward-Dickey Steel Co., Indiana Harbor, Ind.—Price List Box Straps.

Morey & Son, Wholesale Nurseries, Dansville, N. Y.—Price List for Fall, 1909.

W. A. Manda, Inc., South Orange, N. J.—Wholesale Catalogue for 1909.

Chase Nursery Company, Huntsville, Ala.—Wholesale Price List Fall, 1909.

Tennessee Wholesale Nurseries, Inc., Winchester, Tenn.—Wholesale Prices on Tennessee Trees.

Delaware Nurseries, Milford, Del.—Peach and Apple Trees.

Vick & Hill Co., Rochester, N. Y.—Fall Wholesale Price List of Bulbs, Plants, Roots, etc.

Henry A. Dreer, Philadelphia, Pa.—Wholesale Price List, Autumn, 1909.

Onarga Nursery Co., Onarga, Ill.—Wholesale Trade and Want List, Fall 1909.

T. S. Hubbard Company, Fredonia, N. Y.—Wholesale Price List, Autumn, 1909.

George S. Josselyn, Fredonia, N. Y.—Wholesale Catalogue and Price List of American Grape Vines and Small Fruit Plants, Fall, 1909.

Mount Arbor Nurseries, Shenandoah, Ia.—Wholesale Price List, Fall, 1909.

Willowdale Nurseries, Rakestraw-Pyle Co., Kennett Square, Pa.—Wholesale Price List, Fall, 1909.

Vincennes Nurseries, Vincennes, Ind.—Wholesale Trade List, Fall, 1909.

Forest Nursery and Seed Co.—Wholesale Trade List, Fall, 1909.

Huntsville Wholesale Nurseries, Huntsville, Ala.—List for Trade only, Fall, 1909, Spring, 1910.

Vincent Lebreton, France, McHutchison and Co., New York, N. Y.—Wholesale Trade List, Fall 1909, Spring 1910.

Sievers & Heubel, Halstenbek, Germany—Price List for Fall 1909, and Spring 1910.

H. M. Simpson & Sons, Vincennes, Ind.—Wholesale Price List Fall 1909.

L. Green & Son Company, Perry, Ohio—Wholesale Price List, Fall 1909.

Wild Bros. Nursery Co.—Catalogue of Fruits, Trees and Flowers, Fall 1909, Spring 1910.

Harlan P. Kelsey, Salem, Mass.—Wholesale Price List, Hardy American Plants, Fall 1909, Spring 1910.

Wm. H. Moon Co., Morrisville, Pa.—Wholesale Trade List, Autumn 1909.

F. E. Schifferli, Fredonia, N. Y.—Wholesale Price List Grape Vines and Currant Plants, Fall 1909.

Stark Bros. Nurseries & Orchards Co., Louisiana, Mo.—Mail Order Price List, Fall 1909 and Spring 1910.

The Conrad & Jones Co., West Grove, Pa., New Floral Guide, 1909. Pretty cover of different varieties of roses in color.

Leedle Floral Co., Springfield, Ohio, Catalogue of roses.

Geo. S. Josslyn, Fredonia, N. Y., Condensed price list for 1909.

W. B. Cole, Painesville, Ohio, Special Surplus price list to Nurserymen only.

J. H. Skinner & Co., Topeka, Kans., wholesale price list for the Spring, 1909.

Calif. Nursery Co., Niles, Calif. This catalogue deals with ornamental trees and plants alone, 8th edition catalogue, No. 2.

Dayton & Xenia Nurseries, J. W. McNary, prop., Wholesale price list for Spring, 1909. Specialty "The Hydrangea arborescens-grandiflora, forma nova "Hills of Snow."

William Street Nurseries, Rice Bros. Co., Geneva, N. Y., Surplus List.

Ward, Dickey Steel Co., Indiana Harbor, Ind., full information concerning Dickey Patent Planished Sheet Steel.

Stephen Hoyt's Sons' Co., New Canaan, Conn.—Wholesale Price List, Fall 1909.

## TRADE DIRECTORY

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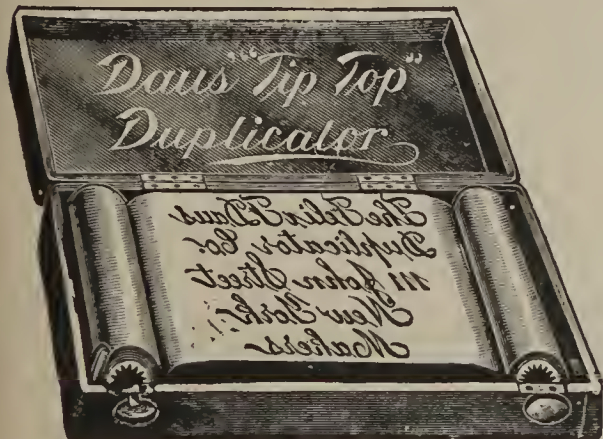
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PERRY, LAKE CO., OHIO

Specialties for Fall 1909

A strong lot of two year, stand-  
ard and dwarf, Pear, Plum,  
Cherry and Peach; also a fine  
line of Ornamentals. A mod-  
erate amount of 2 year Currants  
—strong on London Market.

Let Us Figure on Your Wants  
Before Placing Your Orders



## Apple Seedlings

For Fall delivery, grown from native seed in Northern Vermont, healthy and hardy. Write for prices

F. H. McFARLAND, Hyde Park, Vermont

## Easterly Nursery Co., CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

### FALL OF 1909

We will have our Usual Supply of Nursery Stock for Fall of 1909. Apple, Cherry, Peach, Pear, and Plum our Specialties. A good Stock of Shade Trees. Write for prices.

BUDS and SCIONS, we have our usual large Supply.

JOHN A. CANNEDY NURSERY & ORCHARD CO.  
CARROLLTON, ILL.

## F. E. SCHIFFERLI

FREDONIA, N. Y.

Successor to WHEELOCK & CLARK

AT IT SEVENTEEN YEARS

For Fall 1909 and SPRING 1910

GRAPE VINES AND CURRANT PLANTS

GRAPE AND CURRANT CUTTINGS

CORRESPONDENCE SOLICITED

## P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERY. Some of the goods on hand here during the packing season.

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## PEAR TREES GOOD STOCK OF 2 YEAR STANDARD PEARS

Bartlett, Clapps, Flemish, Duchess, Kieffer, Seckle, Worden  
Seckle, &c. Also Bartlett and Duchess Dwarf

Write for prices, stating quantity and caliper required.

G. S. PICKETT & SON, Clyde, Ohio

## CATALPA SPECIOSA Seedlings

LARGE OR SMALL LOTS

### BLACK LOCUST SEEDLINGS

Please let me know your wants

J. A. GAGE, Fairbury, Nebr.

## FIRST AID TO ROSES. Fall price-list now BUYERS OF ready

Send for copy. Let us price your wants for  
Spring delivery.

THE LEEDLE FLORAL COMPANY  
SPRINGFIELD, OHIO

## GRAPE VINES A SPECIALTY T. S. Hubbard Company

FREDONIA, N. Y.

ESTABLISHED 43 YEARS

We offer for Fall and Spring trade a large and complete stock of one and two year old GRAPE VINES in strong grades for nurserymen and dealers trade.

We also have an extra nice stock of one year CURRANTS.

Send us your want list for prices.

## PAEONIES

LUCRETIA DEWBERRY in quantity

If in need, write

GILBERT H. WILD, Sarcoxie, Mo.

## FOR SALE — on easy terms —

A well-established RETAIL NURSERY, located in a prosperous community. Sales \$12,000 to \$15,000 annually. An energetic man with \$1,500 to \$2,000 can handle it and first get possession January 1, 1910

Address C, care NATIONAL NURSERYMAN

## Hardy American Plants

HIGHLAND NURSERY

3800 ft. elevation in the

CAROLINA MOUNTAINS

HARLAN P. KELSEY, Owner

Salem, Mass.

Send for Catalogues and Special Surplus List of 100,000  
Trees and Shrubs

## PEONIES

ONLY BY THE WHOLESALE

Let me send you my list of OVER ONE HUNDRED Best Varieties  
J. F. ROSENFELD, WEST POINT, NEBR.

## L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens,  
Ornamental Shrubs, Roses, Gladiolus, Cannas and Dahlias

Nurserymen Should Try My Simplex Tree Baler

IT DOES THE WORK. PRICE \$16.00.

Special 20,000 California Privet.

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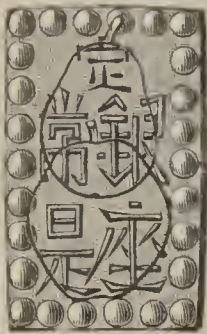
(Successor to Blair & Kaufman)

233-234 Rialto Bldg., Kansas City, Mo.

Offer for FALL 1909 and SPRING 1910 large stock of Carolina  
Poplars; Catalpa Seedlings; Cal. Privet; Concord Grapes; Currants;  
Asparagus; and a full line of Ornamental Shrubs, Paeonies, etc.



## Heikes --- Huntsville --- Trees



Huntsville  
Wholesale Nurseries

Huntsville, Ala.

JESSIE S. MOSS, Prop.

We offer for the Fall of 1909 and Spring of 1910 in large quantities as usual :

### SPECIALTIES

- PEARS**—Bartlett and Beurre de Anjou, one year, in large supply. As fine in quality as ever grown.
- PEARS**—Kieffers, one and two years old. A much smaller crop than heretofore
- PEARS**—Assorted leading varieties. One and two yrs. old.
- CHERRIES**—On Mahaleb. Leading sour varieties. A large block but not as many as usual.
- PEACHES**—We excel in Peaches, and of these we will have as large and as fine a stock as we have ever grown, both in one year and June Buds.
- PLUMS**—A light stock of these for this year.
- PECANS**—We make a specialty of grafted Pecans. These are grown in our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.
- ROSES**—Budded. We have discontinued the propagation of Roses at Biloxi. We will have a large stock of leading Hybrid Perpetuals and Mosses grown at Huntsville.
- PRIVET**—Amoor River. Retains its foliage longer and holds its color better than Colifornia Privet.
- MAGNOLIA G. F.**—Huntsville grown. Handsome, young plants, transplanted.

See Price List for particulars.

Address, W. F. HEIKES, Manager,  
HUNTSVILLE, ALA.

## THE BEST TREE DIGGER ON EARTH



### Used and Recommended by Leading Nurserymen

The one we have used for years, and by far the most satisfactory of any we have ever seen. It does exactly the work for which it was designed—and does it right. If interested we will be glad to send description and prices.

**Stark Bro's Nurseries & Orchards Co.**  
LOUISIANA, MO.

**H**AVE you seen and examined  
the quality of our water-  
proof rawhide shipping tags  
and tree labels? This stock is



SHIPPING TAGS  
BLANK  
AND  
PRINTED.  
SINGLE AND IN  
GANGS OF  
FOUR AND SIX.

especially  
adapted to  
hard usage  
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use. "Once  
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for samples  
and prices.  
Our refer-

ences are the largest Nursery-  
men in the United States.

**The Denney Tag Co.**

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## B. & A. SPECIALTIES.

- BLUE SPRUCE**, all sizes, 2 to 7 feet.
- WEeping BLUE SPRUCE**. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.
- ROSES**, Hybrid Perpetual and Hybrid Tea varieties.
- CONIFERS and EVERGREENS**, 150 varieties.
- RHODODENDRONS**, Hardy Hybrid and Maxima, 50 varieties.
- EVERGREEN SHRUBS**, 35 varieties.
- FLOWERING SHRUBS**, 350 varieties.
- JAPANESE MAPLES**, 25 varieties.
- ORNAMENTAL DECIDUOUS SHADE TREES**, 50 varieties.
- WEeping and STANDARD DECIDUOUS TREES**, 50 varieties.
- HEDGE PLANTS**, 25 kinds.
- HARDY VINES and CLIMBERS**, 75 varieties.
- PLANTS and TRAILING VINES**, 12 varieties.
- SPRING and SUMMER FLOWERING ROOTS and BULBS**, 250 varieties.
- DECORATIVE and FLOWERING PLANTS**, 50 varieties.
- TRAINED and OTHER FRUIT TREES**. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.
- SMALL FRUITS**, 75 varieties.
- NEW and RARE TREES, SHRUBS and EVERGREENS**, 35 varieties.
- MISCELLANEOUS NEW and RARE PLANTS and VINES**, 25 varieties.
- HARDY HERBACEOUS PLANTS** (Old Fashioned Flowers) 1,000 varieties.
- NEW and RARE CHOICE HARDY PERENNIALS**, 65 varieties.
- ORNAMENTAL GRASSES**, 30 varieties.
- HARDY FERNS**, 50 varieties.

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**BOBBINK & ATKINS,**

NURSERYMEN AND FLORISTS,

RUTHERFORD, N. J.





Everything in

## Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

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**T**HIS CATALOGUE contains a vast assortment of the finest quality hardy ornamental Trees, Shrubs, Vines, Evergreens, etc., that is to be found on the market.

You should have a copy, and if you have not already received same, write at once and it will be mailed to you.

**JAPAN PEAR SEED.**—We will have a quantity of first class quality Japan Pear Seed, crop 1909, to offer this year. Write for prices.

**FRENCH PEAR SEED (For Fall Planting).**—For those desiring to plant Pear seed this Fall we can offer a limited quantity of one-year-old seed, which is in first class germinating condition. Write for prices and samples.

THOMAS MEEHAN & SONS (Inc.), Wholesale Nurserymen  
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## Immune Walnuts

### GRAFTED TREES ONLY

Seedlings are absolutely unreliable. Every Tree Guaranteed and Sold only with Our Label and Signature. **Mayette** and **Concord** sample nuts on request. Fine Stock. Trees up to 8 ft. and over.

*For further particulars address*

LEONARD COATES NURSERY CO., Inc.  
Morganhill, Calif.

## CHERRY TREES

An especially fine lot of one and two year Cherry, on which we can make attractive prices. They are especially well rooted, with clean, vigorous, well-branched tops; also

California Privet      Keiffer Pears  
Satsuma Oranges      Carolina Poplar  
Budded and Seedling Pecans

— Write for Prices —

Tennessee Wholesale Nurseries, Inc.  
WINCHESTER, TENN.

Successors to J. C. Hale

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## Budded Pecan Trees

Japan Persimmon, Japan Walnut,  
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,  
JACKSONVILLE, FLA.

## Trees That You Can Sell "On Honor"

Your professional reputation depends upon the trees you sell. An order of "named" trees that turn out to be something else will often do you untold injury. Doubtless you have often found it difficult to secure "true-named" specimens, which require to be grown in the South. But here is a satisfactory solution of this difficulty: Trees from

### Glen Saint Mary Nurseries

are true to name, and you can sell them "on honor." Our system of growing and grading, and the rigid test every variety gets in our Trial Orchards, keeps up a standard that few Nurseries can approach. Large orchards now in bearing throughout the South prove the excellent quality of our trees. Full particulars, Catalog and Wholesale Price List mailed on request.

Glen Saint Mary Nurseries Co., Glen St. Mary, Florida

## The New England Nurseries, Inc.

BEDFORD, MASS.

HIGH GRADE FRUIT AND ORNAMENTAL  
TREES, SHRUBS, ROSES AND  
HERBACEOUS PERENNIALS

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade-list on application.

## F. J. Grootendorst & Sons

BOSKOOP, HOLLAND

Azaleas, Rhododendrons, Clematis, Roses, Pot-grown Plants for forcing. Buxus, Conifers, Japanese Maples, Shrubs, Palms, Bulbs, Etc.

A postal brings our catalogue

LET US QUOTE PRICES ON YOUR LIST OF WANTS



CAROLINA POPLAR BOX ELDER  
CALIFORNIA PRIVET and CATALPA SPECIOSA  
ALL ONE YEAR OLD

For further particulars and prices, address

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**BOX STRAPS**  
**WARD-DICKEY STEEL COMPANY**  
INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

**For Sale.** One of the best Nursery, Seed and Greenhouse business propositions on the Pacific coast. Rapidly increasing trade. Satisfactory reasons for offering for sale. No use corresponding unless you have \$10,000 or \$15,000 to invest as a starter.

"A. B.," care of NATIONAL NURSERYMAN.

**WE** make a specialty of collecting accounts for the Trade.

For particulars and references, address the

**National Florists' Board of Trade,**  
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**JAMES' SONS, Nurserymen**  
Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.  
Prices Very Low. Packing Secured. Catalogue Free.  
Write direct to us, we have no agents.

**We are Prepared to Handle Your Orders**

for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

**SPECIAL**—We have 1000 bu. of Red and Burr Oak Acorns, on which we can make special low price.

**SEED DEPT.**  
**DUNDEE NURSERIES**  
D. HILL, Prop.  
DUNDEE, ILLINOIS

ESTABLISHED 57 YEARS

**THE PHOENIX NURSERY CO.,**  
BLOOMINGTON, ILL.

We grow a complete assortment of stock in both fruit and ornamental departments. Send your lists of wants for prices for Fall shipment. Fall Trade List now ready.

## BARGAINS

15,000 Pin Oak,	- -	1 Year,	8 to 15 in.	Fine
10,000 Red Oak,	- -	"	12 to 24 "	"
10,000 Pecan	- -	"	6 to 12 "	"
25,000 Black Walnut,	- -	"	12 to 24 "	"
25,000 Honey Locust	- -	"	8 to 12 "	"
10,000 Ampelopsis Quin-	- -	"	6 to 12 in.	"
quefolia,	- -	"		
10,000 Choice Named Dahlias,	- -		field clumps	

Let me price your lists.

## WANTED

Peach Seed, Currant, Gooseberry and Poplar Cuttings  
State price and amount you can furnish

**OAK HILL NURSERIES, Franklin, Mass.**

## WANTED

Married Man who understands growing of Nursery Stock. Capital for the building up of an ornamental department for Philadelphia trade required. Outdoor work. Location 50 miles from Philadelphia, Pa. The business sound and long established. Good opportunity. Will repay investigation.

Address: NURSERY c/o NATIONAL NURSERYMAN

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A man familiar with the growing of Ornamental Nursery Stock, for sub-foreman at one of our nursery farms. Must be a pusher and able to get the work out of help. State experience, salary expected and names of previous employers. Good chance for advancement to the right man

**JACKSON & PERKINS CO. :: Newark, New York**

## FOR SALE

100,000 Red Raspberry Bushes, No. 1, clean, healthy stock from young beds, also Currant, Blackberry Bushes, and general line of Hardy Nursery Stock. - Send for Price List.

**L. M. EMPIE**  
NURSERY AND FRUIT FARM, JOHNSTOWN, N. Y.

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**JAPANESE YEW** (*Taxus cuspidata brevifolia*) at wholesale and retail. The hardiest and most handsome of the Yew family. Stock all grown in New England.

**JAPAN MAPLE, ACER POLYMORPHUM** and other types, grown from New England Seed. The best stock for general planting.

Try a small order of each for spring shipment!

## FOR SALE

Silver and Norway Maple, Carolina Poplar, American Arbor Vitae, and California Privet; also 10,000 one-year Apple. Very Fine.  
Would exchange for Feigley Tree Digger

**R. R. HARRIS, Harrisville, W. Va.**

## General Line of NURSERY STOCK

1 year Peach, Berberis Thunbergii, Ibota Privet and White, Scotch, and Austrian Pine

**M. T. TWOMEY, 10 Tremont St., BOSTON, Mass.**

California Privet Fruit and Shade Trees  
Evergreens

**SAMUEL C. DE COU**  
Moorestown, Burlington County, N. J.



# ORNAMENTAL STOCKS

**NURSERIES**  
**420 ACRES**

## WE GROW

FRUIT TREE STOCKS—All Sizes.  
300 varieties of Conifers, 1 to 4 years old.  
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.  
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.  
250 varieties of Climbing Plants.  
400 varieties of Conifers, 1 to 4 feet high.  
400 varieties of Perennials.  
800 varieties of New and Old Roses.

We Have No Agents.  
Write direct to us and  
ask for **WHOLESALE**  
**CATALOGUES**

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

**BARBIER *and* CO., Successors,**

Orleans, France

## FRITSCH & BECKER

WHOLESALE SEEDSMEN

at GROSSTABARZ, Thuringia, GERMANY

are prepared to accept contracts on the following  
Specialties for

**DELIVERY FALL 1909**

FRESH SEEDS of MULBERRY, WILD CHERRY,  
MAHALEB CHERRY, PLUM, QUINCE, APPLE,  
PEAR, DOG ROSE, BLACK AND HONEY  
LOCUST and many other sorts.

Price List on application

WANTED: American Evergreen Tree Seeds  
Offers will oblige

## Vincennes Nurseries

W. C. REED, Prop., - VINCENNES, IND.

### OFFER FOR FALL 1909

Cherry 2 Year in Car Lots

Cherry 1 Year in Car Lots

Our Cherry promises very fine both in 1 and 2 year.  
Also general line of other Nursery Stock.

Cherry Buds to offer in any quantity in season ready  
to cut July 1st.

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FRUIT AND SEED FARMS

*OFFER for Fall 1909 and Spring 1910*

GRAPE VINES—One and two years old. Varieties  
largely Moore's Early, Concord and Niagara.

Also Scarlet or Crimson Clover Seed and Cow Peas.  
Free from weed seeds, all recleaned and guaranteed  
first class.

Correspondence solicited. Price list upon request.

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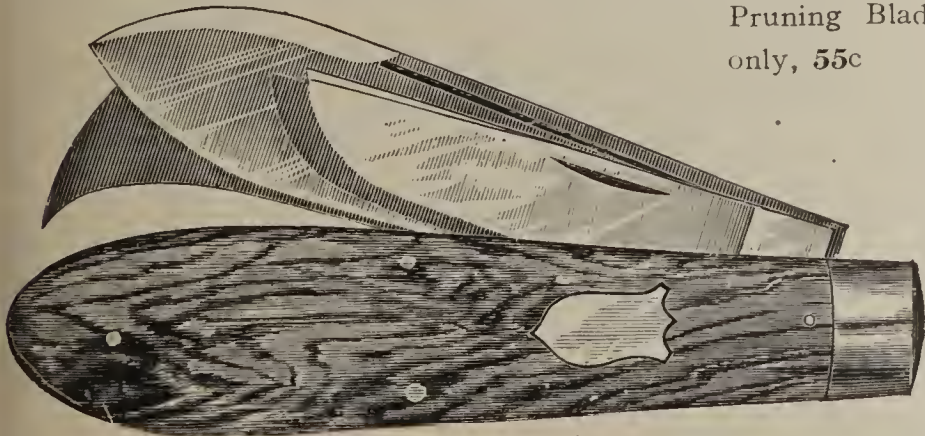
Wholesale Grower and Exporter of Fruit-Tree  
Stocks, Forest-Tree Seedlings, Rose Stocks,  
Shrubs, and Conifers for Nursery Planting.

Write for special price-list and catalogue.

**W. TAAT, Sta. A., YONKERS, N. Y.**

Sole Agent for the United States and Canada.

Price, with 3 Blades, as shown, \$1 00; with 2 Blades, 75c; with the  
Pruning Blade  
only, 55c



OUR HANDY NURSERY KNIFE, No. 299, \$1.00 postpaid

THIS KNIFE, No. 299, is a pattern of our  
own, though it was suggested scores of times  
by good customers. It has been on the market  
30 years, and we have hundreds of customers who  
"swear by it." ¶ The blades are as fine as skilled  
men can make them.

*Send for our 12 page list of Nursery Knives*

**MAHER & GROSH CO.**

90 A STREET

TOLEDO, Ohio

When writing to Advertisers mention The National Nurseryman.



# FRENCH NURSERY STOCKS

Louis Leroy's Nurseries Co. (Established in 1795) LUCIEN LEVAVASSEUR, Director  
ANGERS, FRANCE.

GROWERS { Pear, Apple, Mahaleb, Mazzard, Myrobolan, Angers Quince } BEST GRADING  
— and — { Stocks, etc., etc. }  
EXPORTERS OF { Forest Tree, Seedlings and Transplanted. Evergreens, Orna } — and —  
mentals, Shrubs, Manetti, Multiflora, Roses, and a com- PACKING  
plete line of Ornamental Stocks.

EXPORTS EXCEED 25,000,000 STOCKS ANNUALLY.

For Wholesale Catalogues and Special Quotations, address us direct; or  
H. FRANK DARROW, Our Sole American Agent, NEW YORK CITY.  
26 BARCLAY STREET, P. O. Box 1250

## F. H. STANNARD & CO. The Ottawa Star Nurseries OTTAWA, KANSAS

APPLE TREES, assorted, all grades.  
CHERRY TREES, assorted, all grades.  
PEAR TREES, assorted, all grades.  
GRAPE VINES, assorted.

A large and complete assortment of Shade Trees  
APPLE AND FOREST TREE SEEDLINGS

We call special attention to our  
CATALPA SPECIOSA SEEDLINGS

## Fumigation with Hydrocyanic Acid Gas Generated From Cyanide <sup>98%</sup>/<sub>99%</sub>

Is the only positive eradicator of San Jose  
Scale and other Insect Pests. Endorsed  
by all agricultural experiment stations.

Manufactured by  
The Roessler & Hasslacher Chemical Co.  
100 WILLIAM ST., NEW YORK

## 35TH YEAR Pan Handle Nurseries

WE OFFER A COMPLETE ASSORTMENT OF NURSERY  
STOCK CONSISTING OF

Apple	Poplar Carolina	Ampelopsis
Pear	Poplar Volga	Roses
Plum	Elm American	Evergreens
Cherry	Sycamores	California Privet
Peach	Mountain Ash	Buxus
Grape	Althea	Weeping Trees
Currant	Hydrangea	Catalpa Seedlings
Gooseberry	Barberries	Black Locust "
Small Fruits	Syringaeas	Fruit Tree "
Maple Norway	Clematis	Catalpa Speciosa Seed.
Maple Schwedlers	Honey Suckle	Etc., Etc., Etc.
Maple Silver	Wistaria	

Our stock is well grown and graded. Prices are such that it will pay to  
investigate. Come and see us or write.

**J. K. HENBY & SON**  
GREENFIELD, IND.

## For Fall 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from  
buyers of June Budded peach, plum and apricot. We will bud especially  
to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

**Fraser Nursery Company**  
Incorporated HUNTSVILLE, ALABAMA

A Large { **Columbian**  
Stock of { **Raspberry**  
That promise to  
{ **Tip Plants** make a strong, well-  
matured plant for  
Fall Storage

WRITE FOR SPECIAL PRICES NOW

Largest Growers of Green Mt. Grapevines in the World.

EXTRA HEAVY VINES FOR RETAIL TRADE

We still have a few M. Mersereaux R. C.

Blackberry Plants at reasonable prices. Our Grapevines are  
unusually promising

Send list of your wants for SPECIAL Fall Quotations

**WILLETT & WHELOCK**  
N. COLLINS, N. Y.

When writing to Advertisers mention The National Nurseryman.

## Forest Tree Seedlings by the Millions

Speciosa Catalpa.—Selected Seed; guaranteed pure.  
Our Specialty for past ten years.

Black Locust, Russian Mulberry, Honey Locust,  
Osage Hedge.—In carload lots; very fine. Our  
Wellington plant, devoted almost exclusively to  
forest tree seedlings.

Japan Pear Stock and Russian Olive.—Shade trees  
in carload lots of Ash Box Elder, Black Locust,  
Catalpa Speciosa, American White Elm, Soft or  
Silver Maple.

**THE WINFIELD NURSERY COMPANY**  
(INCORPORATED)  
J. Moncrief, President R. I. Lemon, Sec'y-Treas.

When writing to Advertisers mention The National Nurseryman.



# HONEST! Have you conquered the SAN JOSE SCALE?

B. G. PRATT COMPANY, 50 CHURCH STREET, N. Y., will guarantee that it can be done with

## “SCALECIDE”

For less money with less labor and more effectively than with Lime-Sulphur or anything else.

PRICES: In barrels and half-barrels, 50c per gallon; 10 gal. cans, \$6.00; 5 gal. cans, \$3.25; 1 gal. cans, \$1.00. If you want cheap oils, our “CARBOLEINE” at 30c per gallon is the equal of ANYTHING ELSE. Send today for free Booklet, “Orchard Insurance.”

### W. T. HOOD & CO.,

Old Dominion Nurseries  
RICHMOND, VA.

#### Specialties for Fall 1909

Japan Pear Seedlings; California Privet---Fine Plants.

#### Special Inducements in Carload Lots

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2 yr., Champion, Orange, Meeches & Reas, exceptionally fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

#### GENERAL LINE OF NURSERY STOCK

Correspondence Invited.

### WAXAHACHIE NURSERY COMPANY

#### OFFERS IN SURPLUS

Peach, Plum and Apricot, dormant bud.

Especially  $\frac{3}{4}$ ,  $\frac{2}{3}$  and  $\frac{1}{2}$  foot.

Cherry, leading sour, in grades up to  $\frac{5}{8}$  inch.

Pear, 2 year buds, all grades.

Evergreens, Roses, Shade Trees, Vines, California Privets, etc., etc.

Send us your want list TO-DAY.

Waxahachie Nursery Co., Waxahachie, Texas

### ROSE ORLEANS

The most startling Polyantha Novelty of the season, of the Baby Rambler type, a constant summer flowering Rose with large bright pink flowerheads. Every rosegrower should secure this. For full description see page 42 of our latest catalogue, just mailed, comprising our usual full line of Ornamental and Evergreen Trees and Shrubs. Address our American agents: AUGUST ROLKER & SONS, P. O. Box 752, NEW YORK CITY.

LEVAVASSEUR & SONS, Ussy and Orleans, France

### E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,  
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

#### PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,  
Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

California  
Privet  
Grown  
Right and  
Graded  
Right

I have made a specialty of growing Privet for fifteen years, and am now offering

The Largest and Best  
Stock I Have Ever Grown

There is no doubt about the stock pleasing you. I am growing Privet to Sell. Let me quote you prices before you order.

C. A. BENNETT, Box 61, Robbinsville, N. J.

#### JAPANESE BAMBOO CANES

FOR DELIVERY  
JANUARY TO MARCH,  
1910.

12 Feet Long  
14 “ “  
16 “ “

Per 100  
\$2 70  
3 70  
5 30

Per 500  
\$13 00  
17 50  
25 00

Per 1,000  
\$25 00  
34 00  
49 00

Per 5,000  
\$120 00  
160 00  
230 00

BOOK YOUR  
ORDER EARLY.

STUMPP & WALTER CO., 50 BARCLAY STREET, NEW YORK.

When writing to Advertisers mention the National Nurseryman



# The Farmers Nursery Company

## OFFER

APPLE, assorted, heavy in light grades

PEAR, Standard, assorted, extra fine lot of Kieffer

CHERRY, 2 year, the finest stock we have ever grown

PLUM, Japan and English, good assortment of varieties

PEACH, choice stock in all grades

## EVERGREENS

ARBOR VITAE, 2 to 8 ft.

NORWAY SPRUCE, 2 to 8 ft.

ARBOR VITAE, 2 to 4 ft.

BALSAM FIR, 2 to 5 ft.

These evergreens have been transplanted, and are fine specimen plants. Can supply in carload lots.

Silver Maple, Am. Elm, C. L. W. Birch, all sizes Catalpa Bungeii, 3 year heads

Catalpa Spec. Seedlings, all grades. Golden Willow 2 year plants.

Stock grown at Dansville, N. Y. and Troy, O.

# B. E. Fields & Son

FREMONT NURSERIES

Fremont, Neb.



## Growers of a General Line of Nursery Stock

## W. FROMOW & SONS

Windlesham Nurseries, Surrey, England

Offer 250 acres of Hardy Outdoor Nursery Stock in great variety, chief among which may be noted the following:

Hardy Named Rhododendrons in such varieties as Everestianum, Caractacus, H. W. Sargent, C. S. Sargent, Kettle-drum, Chas. Dickens, Lady Armstrong, Atrosanguineum, Chas. Bagley, Alba elegans and grandiflora, Giganteum, Old Port, Fastuosum fl. plena, Roseum elegans, Delicatissima, Ed. S. Rand, Jas. Mackintosh, Mrs. H. Ingersoll, and many of the Parson's Hybrids.

Andromeda Florabunda, 20,000 to offer in bushy well grown plants 6 in. to 18 in.

Andromeda Japonica 6 to 18 in.

Azalea Mollis, seedlings from named varieties 4 to 24 in.

Ghent Azaleas, on own roots 12 to 24 in.

Azalea Pontica, the common yellow 12 to 30 in.

Gaultheria Shallon and Procumbens.

Kalmia Latifolia 6 to 30 inches.

Hybrid Tea, Tea, Polyantha and Hybrid Perpetual Roses, strong field-grown stock as Standards, Half Standards and Dwarfs in all leading varieties.

Copper Beech, selected seedling, specially good strain 3 to 9 ft.

Fruit Trees, trained, Espalier and Fan shaped.

Box, Handsworth and Common Tree 6 in. to 5 ft.

Retinospora Plumosa and Plumosa Aurea 6 in. to 6 ft.

Retinospora Pisifera and Pisifera Aurea 3 to 6 ft.

Retinospora Obtusa compacta 6 in. to 5 ft.

Abies Orientalis, Parryana, parryana Glauca and Kosteriana 6 in. to 4 ft.

Manetti Stocks, extra well rooted and graded for grafting. We can offer 500,000 for delivery, Fall 1910.

We are within an hour's rail ride of London, and shall welcome the personal inspection of any Nurseryman visiting England. We shall not importune you to buy, the quality of our stocks will ensure business.

Our sole agents for U. S. A. and Canada are

Messrs. A. ROLKER & SONS,  
31 Barclay Street, New York

## Franklin Davis Nursery Co.

Baltimore, Maryland

We offer for Fall 1909 and Spring 1910---

Apple, 1 and 2 year, leading varieties.

Pear, Standard, Keiffer, Blight Proof, Koonce, Garber, Etc., Etc.

Peach, 1 year, standard varieties.

" 2 " June Buds.

Cherry, 1 and 2 year on Mahaleb.

Asparagus, best leading kinds, 1 and 2 year.

Privet, California, 1 and 2 year, fine.

" Ibota, 1 and 2 year.

Strawberry Plants, best varieties.

Grape Vines, 1 and 2 year; heavy on 1 year Concord.

White Birch, 10-12 ft., fine.

Silver Maple, 10-12 ft., 8-10 ft., 7-8 ft.

Sugar Maple, 8-9 ft., 7-8 ft.

Norway Maple, 7-8 ft., 6-7 ft.

Poplars, Lombardy & Carolina, 1, 2 and 3 year.

Catalpa Speciosa, 8-9 ft., fine.

Weeping Willows, 8-9 ft., fine.

Oriental Planes, 8-9 ft., fine.

We have a fine lot of Extra Heavy Shrubs, such as Hydrangea P. G., Weigelas, assorted; Altheas, assorted; Judas Trees, Spireas, assorted; Eulalias, Snowballs, Lilacs, Strawberry Tree.

In large Shade Trees we have Sugar Maples, Elms, Box Elder, Catalpas, Evergreens, Roses, Etc., Etc.

Would accept orders to bud Peach on contract. Can commence shipping October 1st, or earlier.

Send us your want list.



# NURSEYMEN AND FLORISTS

looking for stock can find largest assortment in the  
United States at the

## Painesville Nurseries

Fruit and Nut Trees, Deciduous Trees, Shrubs and Evergreens, Hardy Roses, Vines and  
Plants, Grapes, Gooseberries, Small Fruits, Bulbs, Seeds, Palms  
and other tender Greenhouse Plants

Have full list of varieties for fall trade with special inducements for orders for late fall  
delivery in car lots, or cellared for Spring if desired. Our facilities are unsur-  
passed for handling these large orders. Try us and be convinced.

Not satisfied with our present large cellars, are now build-  
ing one 112 ft. by 240 ft. connecting with and south  
of present brick cellar.

### OUR SPECIALTIES ARE

#### ROSES

H. P.

Moss

Ramblers

Climbers, Etc.

PEACHES

PEARS

PLUMS

CHERRIES



ROSE FRAU KARL DRUSCHKI.

Ornamental  
Trees and  
Shrubs in  
Car Lots

Weeping Mulberries  
Elm and Ash

Clematis

Ampelopsis

Paeonies

Hydrangeas, Bush  
and Tree

Holland Bulbs

NO TROUBLE TO PRICE YOUR WANTS

55 Years

1200 Acres

44 Greenhouses

## THE STORRS & HARRISON CO.

PAINESVILLE, OHIO



# Dorothy Perkins

A LARGE STOCK  
OF THIS POPULAR ROSE

Write for Prices

## Ellwanger & Barry

Mount Hope Nurseries  
Rochester, N. Y.

# High Quality---Price Low

They're a J. & P. combination. When we find we can't grow a thing perfectly and profitably, we cut it out! Frankly, we can't grow the best of everything; our soil and climate don't suit all kinds of stock; but they do produce some things to perfection, as one of our good friends wrote us last week, referring to our ROSES; TREE HYDRANGEAS warranted "as good as J & P's," may be that; we don't know; we haven't seen 'em. Ours are "as good as J & P's"—the only stock we'd like to compare ours with. And our TREE LILACS are as good as our TREE HYDRANGEAS.

THE PRICE is consistent with the QUALITY. It isn't always the lowest. It takes something more than cut-prices to sell stock these days; the Quality's got to be there. The Planter wants it; the Retailer demands it. It's the idea of finding out what we can grow best and growing it—lots of it—in big blocks, economically—and selling it—all of it—at reasonable prices, that has doubled our business in five years. If YOU buy the J & P goods, we can't tell you; if you don't, we want to show you.

## Jackson & Perkins Co.

Wholesale Only

Dispensers of "The Preferred Stock" which is grown at NEWARK, in WAYNE COUNTY, NEW YORK STATE.

December first.

## SPECIAL NOTICE

APPLE QUINCE PEAR CHERRY  
PEACH PLUM

A Fine Block of  
Own Root Roses

ORNAMENTAL TREES SHRUBS  
BERRIES CLEMATIS  
EVERGREENS PEONIES PHLOX

Write for our Special Prices

Special Attention given to Dealers, complete lists  
and carload lots.

**W. & T. SMITH COMPANY**  
GENEVA, N. Y.

63 Years

700 Acres

## IN CAR LOAD LOTS

We offer BIOTA AUREA NANA, Cedrus, Deodara, Junipers  
and assorted Specimen Conifers.



BIOTA AUREA NANA

Figs, Spanish Chestnuts,  
Althaeas, Deutzias,  
Exochordas, Lilacs,  
Philadelphus, Spiraeas,  
Weigelas, and other De-  
ciduous Shrubs.

Ashes, Elms, Maples,  
Weeping Mulberries,  
Tulip and Lombardy Pop-  
lars, Lindens and Texas  
Umbrellas.

Strong field grown ROSES,  
Standard sorts, budded  
and on own roots.

Citrus Trifoliata, Amoor  
and California Privets.

AZALEAS, Camellias,  
Magnolia Grandiflora,  
and other Broad-leaved  
Evergreens in great va-  
riety

Send for Catalog

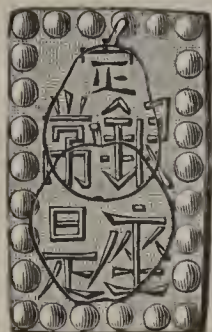
**P. J. BERCKMAN'S CO., Inc.,**

Fruitland Nurseries  
Established 1856

AUGUSTA, GEORGIA  
Over 450 Acres in Nurseries



# Heikes --- Huntsville --- Trees



Huntsville  
Wholesale Nurseries  
Huntsville, Ala.

JESSIE S. MOSS, Prop.

We offer for the Fall of 1909 and Spring of 1910 in large quantities as usual :

## SPECIALTIES

**PEARS**—Bartlett and Beurre de Anjou, one year, in large supply. As fine in quality as ever grown.

**PEARS**—Kieffers, one and two years old. A much smaller crop than heretofore

**PEARS**—Assorted leading varieties. One and two yrs. old.

**CHERRIES**—On Mahaleb. Leading sour varieties. A large block but not as many as usual.

**PEACHES**—We excel in Peaches, and of these we will have as large and as fine a stock as we have ever grown, both in one year and June Buds.

**PLUMS**—A light stock of these for this year.

**PECANS**—We make a specialty of grafted Pecans. These are grown in our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

**ROSES**—Budded. We have discontinued the propagation of Roses at Biloxi. We will have a large stock of leading Hybrid Perpetuals and Mosses grown at Huntsville.

**PRIVET**—Amoor River. Retains its foliage longer and holds its color better than Colifornia Privet.

**MAGNOLIA G. F.**—Huntsville grown. Handsome, young plants, transplanted.

See Price List for particulars.

Address, W. F. HEIKES, Manager,  
HUNTSVILLE, ALA.

# THE BEST TREE DIGGER ON EARTH



## Used and Recommended by Leading Nurserymen

The one we have used for years, and by far the most satisfactory of any we have ever seen. It does exactly the work for which it was designed—and does it right. If interested we will be glad to send description and prices.

**Stark Bro's Nurseries & Orchards Co.**  
LOUISIANA, MO.

**H**AVE you seen and examined the quality of our waterproof rawhide shipping tags and tree labels? This stock is



especially adapted to hard usage and outside use. "Once used, always used." Send for samples and prices. Our refer-

ences are the largest Nurserymen in the United States.

**The Denney Tag Co.**  
WEST CHESTER, PA.

## B. & A. SPECIALTIES.

**BLUE SPRUCE**, all sizes, 2 to 7 feet.

**WEeping BLUE SPRUCE**. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.

**ROSES**, Hybrid Perpetual and Hybrid Tea varieties.

**CONIFERS and EVERGREENS**, 150 varieties.

**RHODODENDRONS**, Hardy Hybrid and Maxima, 50 varieties.

**EVERGREEN SHRUBS**, 35 varieties.

**FLOWERING SHRUBS**, 350 varieties.

**JAPANESE MAPLES**, 25 varieties.

**ORNAMENTAL DECIDUOUS SHADE TREES**, 50 varieties.

**WEeping and STANDARD DECIDUOUS TREES**, 50 varieties.

**HEDGE PLANTS**, 25 kinds.

**HARDY VINES and CLIMBERS**, 75 varieties.

**PLANTS and TRAILING VINES**, 12 varieties.

**SPRING and SUMMER FLOWERING ROOTS and BULBS**, 250 varieties.

**DECORATIVE and FLOWERING PLANTS**, 50 varieties.

**TRAINED and OTHER FRUIT TREES**. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.

**SMALL FRUITS**, 75 varieties.

**NEW and RARE TREES, SHRUBS and EVERGREENS**, 35 varieties.

**MISCELLANEOUS NEW and RARE PLANTS and VINES**, 25 varieties.

**HARDY HERBACEOUS PLANTS** (Old Fashioned Flowers) 1,000 varieties.

**NEW and RARE CHOICE HARDY PERENNIALS**, 65 varieties.

**ORNAMENTAL GRASSES**, 30 varieties.

**HARDY FERNS**, 50 varieties.

ASK FOR WHOLESALE CATALOG

VISIT NURSERIES

**BOBBINK & ATKINS,**

NURSEYMEN AND FLORISTS,

RUTHERFORD, N. J.



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Would accept orders to bud Peach on contract. Can commence shipping October 1st, or earlier.

Send us your want list.



# Strawberry Plants

---

**M**Y BUSINESS for several seasons has been growing very rapidly, and the season just past has far exceeded any former year. I have therefore been compelled to increase my acreage to meet the growing demand for my plants, and I expect this Summer to build an additional, large, up-to-date packing house, so that my daily output of plants will be greatly increased during the shipping season. This will enable me to handle promptly all orders that I receive. If you buy Strawberry Plants, get in communication with me before contracting for your next season's supply.

## W. W. THOMAS

---

"THE STRAWBERRY PLANT MAN."  
ANNA, ILLINOIS.

# SIMPSON

---

is the name of the men who  
grow the finest

## CHERRY

that can be produced by suitable soil, climate and expert knowledge.

Take a look at the stock or ask for a sample and be convinced of the *extra quality* of their

## TREES

H. M. Simpson & Sons,  
Vincennes, Indiana

Established 1845

## Bryant's Nurseries

PRINCETON, ILLINOIS

Sixty-four years in growing, handling and selling all kinds of Nursery Stock is the record of our house.

Well grown trees and plants, careful attention to details, courteous treatment and promptness in the execution of orders is what has built up the business to its present large proportions.

### Our Specialties Are

**Ornamental Trees and Shrubs  
Barberry Thunbergii, Privet, &c.**

Peonys—We have 50000 to offer in the best sorts.

Forest Seedlings by the Million—You will find prices right.

Also have a large surplus in Apple, Cherry, Currants and Gooseberries.

WRITE US FOR WHAT YOU NEED

ARTHUR BRYANT & SON, Princeton, Illinois

## The L. Green & Son Co.

Perry, Lake County, Ohio

### *Specialties for Spring 1910*

Fine lot of 2 year Std. Pears  $\frac{1}{2}$ - $\frac{5}{8}$  and  $\frac{5}{8}$ - $\frac{3}{4}$ "; strong on Bartletts. Also Cherry all grades. 2 yr. Concord Grapes.

Catalpa Speciosa 8-10 ft.; American Elm 8-10 and 10-12 ft.; Horse Chestnut 5-6 ft.; Magnolia Acuminata; Norway Maple; Silver Maple; Car. Poplars under 1 $\frac{1}{2}$  inch.

**A GOOD ASSORTMENT OF SHRUBS AND  
A NICE COLLECTION OF ORNA-  
MENTALS**

LET US FIGURE ON YOUR WANTS BEFORE  
PLACING YOUR ORDERS.





PACKING SHEDS FOR BAMBOO CANES

## Horseshoe Brand Products

**T**HE Bamboo tree does not blossom until it attains its thirtieth year, when it produces seed profusely and then dies. It is said that a famine was prevented in India in 1812 by the sudden flowering of the bamboo trees, when 50,000 people went into the jungles to gather the seed for food.

There are various grades of Bamboo; some good for one purpose and not another. Bamboo for staking purposes must be clean, well cured, very strong and not brittle and worm-eaten. Horseshoe Brand Bamboo canes are of superior quality, well packed, perfectly sound and strong and of full length. We should have orders at least four months in advance of delivery time for they are shipped via Suez, being too costly to ship by faster routes. Orders for large quantities will be cabled. The following prices we quote for advance contracts:

### Hakone Stakes

Commonly used for supporting various plants, etc.

4 ft. long	\$ 8 per bale of 2000	\$ 75 per 10 bales
5 " "	9 " " "	80 " "
6 " "	10 " " "	90 " "
7 " "	14 " " "	125 " "
8 " "	20 " " "	180 " "
9 " "	25 " " "	225 " "
10 " "	30 " " "	275 " "

### Shimizu Stakes

Bleached and straightened Hakone stock—very fine.

4 ft. long	\$12 per bale of 2000	\$100 per 10 bales
5 " "	20 " " "	180 " "
6 " "	25 " " "	225 " "
7 " "	35 " " "	325 " "
8 " "	50 " " "	450 " "
9 " "	60 " " "	500 " "
10 " "	70 " " "	600 " "

### Yellow Bamboo. Much stronger than the above.

15 ft. long	1 to 1 1/4 in.	\$ 16 per bale of 160	\$135 per 10 bales
15 ft. long	1 1/4 to 1 1/2 in.	100 to \$125 per bale at	13 per 100
15 ft. long	1 1/2 to 1 3/4 in.	50 to 75 per bale at	20 per 100

\$100 per 1000  
160 per 1000

These prices are ex dock Port of New York; terms four months or 3 % 10 ds. Other sizes and varieties of Bamboo quoted upon application. Don't write us for reduced prices—these prices apply to everyone—no exceptions. We will have in January size 6 ft. in quantities ready for delivery—Hakone Stock.

Order now for future delivery.

**RALPH M. WARD & CO.**  
12 West Broadway, - New York

*Representing Seitaro Arai, Yokohama*  
Japan Bulbs ready for immediate delivery.



NOT HOW CHEAP  
BUT HOW GOOD



# The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

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Vol. XVII.

ROCHESTER, N. Y., DECEMBER, 1909

No. 12

## VILMORIN-ANDRIEUX & COMPANY

Paris, France

### Noted Seedsmen and Plant Breeders

Probably no commercial institution in the world better illustrates the possible evolution of a business from empirical methods and purely business ends to a fine combination of science and industry, than does the firm of world-wide reputation, Messrs. Vilmorin-Andrieux & Company, of Paris. This establishment is now managed and

directed by M. Philippe de Vilmorin, the great grandson of the founder. Many American seedsmen have a pleasant recollection of M. Henry de Vilmorin who was a frequent visitor to the United States and Canada from 1875 to 1895. His scientific ability, his culture and cour-

tesy were personal qualities readily discernible. He it was who intensified the scientific trend of the business which his grandfather had begun, and in the present proprietor the technical and purely scientific features are constantly kept to the fore.

The office and business headquarters of this noted firm are in Paris. Here the seeds are stored when ready for shipment and the general business is transacted. The trial grounds, however, which are to the plantsman more interesting than stores or seed rooms, are situated at Massy-Verrieres, only a few miles from the heart of Paris and in touch of its environs. This is one of the quaint little villages, to some extent a suburban residence site, but in the main occupied by real country folk.

The establishment at Verrieres may be divided into three departments, as follows:

First, are the testing grounds under the direct management of M. de Vilmorin. Here are all the new varieties either of home production or of foreign introduction. This is a very important division in that it passes upon the

desirability or undesirability of new varieties.

#### THE SELECTION METHODS

The production of first-class stock seeds, which is one of the first requisites in scientific seed growing, can only be obtained by rigid, long continued selection of stand-

ard specimens, in which the required characteristics are well enveloped. The stock having such an important bearing upon the future crop, it is not surprising that Vilmorin's stock seeds should all be raised under their own supervision at their seed farms at Verrieres. The stocks are then sent to the numerous seed growers all over France in the regions best suited to them and the crops inspected repeatedly during the year by Vilmorin's special staff controlling the whole cultural operations. This comprises the Second Department.

#### TRIAL GROUNDS

The third leading branch at Verrieres is the seed testing. Despite all efforts to secure the proper execution of



Seed House and Offices of Vilmorin-Andrieux et Cie,  
Verrieres, France



contracts, it is always necessary to control the operations of the growers and to detect any neglect on their part. Every kind of seed, however small the lot may be, sent out by the firm, is therefore tested as regards vitality and quality. These trials particularly help in cases of controversy with customers to identify the quality of the seed supplied and also to ascertain the skill of the grower. At Vilmorin's seed farms at Verrieres are also tested the novelties introduced by other seedsmen. The tests occupy every year over 25,000 plots, the results of which are carefully recorded in special trial books, of which the firm possesses a set covering over 100 years.

The trial grounds of this firm are among the most noted in the country. They are indeed classic in plant history, and the work of testing vegetables, flowers and ornamental plants is carried on with all the accuracy and care of a modern up-to-date experiment station, but has the advantage of

the experiment stations, however, in that the grounds possess many beautiful and well developed specimens of rare trees, shrubs and fruits. Again the records of the firm are such that the history of the introduction of every noted form is readily available.

#### BREEDING NEW VARIETIES

It is probably in the breeding, improvement and selection of economic plants that this firm has done its best work. In many instances plants have been taken from the wild state and modified so profoundly in the course of a few generations in the life of the vegetable that the original form can hardly be recognized. This is particularly true in the case of the sugar beet which had its content of sugar increased over 100 per cent. In the case of some strains of carrot, they have been modified from fibrous, rooty types to smooth, plump, tuber-like forms. In the line of garden vegetables as well as in flowers, great work has been done by this firm. One of the best evidences of the type of work performed is found in the publication of the "Vegetable Garden," certainly the best book on vegetable growing, particularly on the systematic side, that there is in the English language.

The grounds at Verrieres cover some 300 acres in extent. It is pleasantly situated, nicely rolling and well adapted to the purposes of flower and vegetable growing.

#### A PLANT MUSEUM

One of the striking features in the building equipment is the museum. This is completely equipped with an herbarium of cultivated plants with splendid wax models of fruits and vegetables, with collections of seeds and with a library of botanical and horticultural books. Connected with this is the office of M. de Vilmorin. Here is where the scientific work is prosecuted. In looking over this com-

plete museum, many a teacher of horticulture might well experience keen feelings of regret that his institution was not equally well equipped. The work of this firm illustrates the highest type of a combination of scientific and commercial effort that we know of in the entire



Museum of Messrs Vilmorin—Andrieux et Cie  
Verrieres, France.

range of commercial and technical research.

#### CALIFORNIA: DEMAND BRISK

The indications are now that the coming nursery season will prove a very satisfactory one, if the rains come at proper times. The time for planting in California usually commences in January and continues up to about the middle of March. Fall planting is not satisfactory here because our trees are growing even at this late date, and it is out of the question to take them up.

The low prices which many of the deciduous fruits brought early in the season, led us to believe that there would not be much demand for deciduous fruit trees, but there has been quite a change in the last few months, and this in conjunction with the many new settlers, that are coming in here, leads us to believe that the demand for nursery stock will be even better than it was last year.

The sale of orange trees will be fully as heavy as last season. Oranges have brought excellent returns to the growers and a heavy acreage will be planted. The annual shipments of citrus fruits from California, are something over 30,000 carloads. This will give you some idea of the magnitude of the industry at the present time. Prices for trees are very satisfactory indeed, first class trees, caliper-



ing  $\frac{1}{2}$  to  $\frac{3}{8}$  of an inch, commanding a ready sale to planters at \$1,000.00 per thousand.

Quite a number of inquiries for nursery stock of all kinds are coming to us from Texas, particularly for the popular varieties of grapes, which are so extensively grown in California. The fact that grapes mature somewhat earlier in Texas than they do here, will make that locality a very favorable one for securing the benefit of the trade on early shipments.

Fresno, Cal.

GEO. C. ROEDING.

#### ILLINOIS: BUSINESS PROSPEROUS

Just finishing our fall shipping. During the season our stock made an exceptional growth and was finer than usual. Our Fall business was much heavier than usual, and to date orders booked for Spring aggregate fully thirty per cent. more than a year ago. The demand in all lines is brisk and we see no reason why nurserymen should not easily clean up very close on all items for Spring.

ARTHUR BRYANT & SON,  
Princeton, Ill.

#### KANSAS GONE WET!

I don't know that I have anything for publication that is of interest to the general trade. The season has not been one of the best and still nothing to complain of. It has been at fault on the wet side. The fact is Kansas has gone wet! We have been waiting for that dry year and still it does not come. Since 1901 we have had plenty of rain. This year the rains have not come too often perhaps, but too excessive. The nursery growth has nevertheless been good and a great deal of fine stock has gone to a brisk market. In my experience of several years I have known a great many cars of trees go out of Topeka that brought only \$250 to \$300, but the same car this year brings from \$1,000 to \$2,000.

The amount of apple seedlings this year in the upper grades is not equal to the demand and even now are selling at a big price. Of course the advance in price does not all go to the credit side of the ledger. The advance in labor has been rapid and the quality not as good as formerly. Yet we are inclined to be well satisfied with the situation.

Grantville, Kas.

A. L. BROOKE.

#### VIRGINIA

We sell most of our trees at retail through agents and nearly all for fall delivery. We have sold about one fourth more than usual this season and as it has been a very dry fall we have had a hard time to get our trees dug, and we will be later getting through than usual and at this time

of the year we are always anxious for fear that cold weather will catch us before we meet all of our deliveries. We are practically sold out of all fruit trees, and will have very little to offer to the trade for spring, except California Privet of which we have quite a surplus yet.

The past season has not been a very good one for stock that was planted last spring. We had it very dry first and then too much rain during May and June and then very dry again during July. It was too dry during the early part of the budding season. We also had a second dry season during the budding season which occasioned a great deal of rebudding, but we think we got good stands at last.

As we did not plant heavy of apples, spring, 1908, we have had to buy a good many of some varieties, that we were short of, and have found it hard to get some of them. It also has been too dry for strawberries; they have not the usual number of runners; we have consequently found it hard to fill up with these varieties, that we were short of. We planted more than usual last spring of everything except apple and we hope to have quite a surplus above our retail orders for fall of 1910 to offer to the trade



Trial Grounds of Vilmorin—Andrieux et Cie  
Verrieres (near Paris), France

#### FRUIT CROP IN VIRGINIA

There has been a light crop of apples in Virginia this season, but those who have them and sprayed their trees have either sold for good prices or have them in cold storage. Our main varieties here for commercial orchards are Ben Davis, Grimes Golden, York Imperial, Winesap and Albemarle Pippin (for the Piedmont section). There has been a great deal of inquiry for these varieties this fall for commercial orchards and as they are very scarce, think there will be a demand for these same next fall, especially if we should have a good crop of apples next season.

Richmond, Va.

W. T. HOOD.

#### MICHIGAN SHIPPERS SATISFIED

We have just finished our fall retail shipping, which shows a large increase, and we are pleased to report that we have never had prospects any more favorable for a fine business in the spring. A great many commercial orchards are to be planted in the spring, and we believe there never was a stronger demand for trees than there is at the present time.

Monroe, Mich.

I. E. ILGENFRITZ' SONS Co.,  
T. I. ILGENFRITZ, Sec.-Treas.

#### MASSACHUSETTS SATISFIED

Autumn 1909, finds Massachusetts' nurserymen well satisfied with the season's business. Prices on ornamental



stock rule somewhat better than last year and there is no surplus of good stock. In some of the leading items there will be a shortage for spring delivery. Exceptionally fine weather has been favorable for fall planting and tends to prolong the season.

The New England Fruit Show, held in Horticultural Hall, Boston, October 19-24, has been instrumental in increasing the demand for fruit trees, especially apples. The Show was a great success and will, no doubt, give impetus to fruit farming throughout New England. Nurserymen exhibiting trees at the Show were Messrs. J. G. Harrison & Son, Berlin Maryland, The New England Nurseries, Inc., Bedford, Massachusetts and Mr. W. L. McKay, Geneva, N. Y.

Prospects for spring delivery in New England are very encouraging. HORTUS.

#### PENNSYLVANIA GROWERS OF ORNAMENTALS BUSY

The demand for ornamental stock seems to be as great as ever, and there seems to be a scarcity of strictly good ornamental material. The early part of the fall found a shrinkage in the shipments of evergreens, due very largely to the driest summer and fall we have had in twenty years but as the fall progressed, we had some few rains, putting the soil in better condition for planting, and business picked up. We are now getting carloads off every day, the greater part of these being of large deciduous trees and shrubs.

We think that you will find all of the nurserymen in this section are well supplied with fall business.

Yours truly,

Chestnut Hill, Pa.

ANDORRA NURSERIES.

#### HELP SCARCE IN INDIANA

We are in the midst of our packing season and are very busy. We find it difficult to secure help enough to get our shipments out on time, as labor is very scarce here. We have the largest retail business we have ever had, and indications are for a heavy spring business. There is a very serious shortage in apple and peach.

Bridgeport, Ind.

C. M. HOBBS & SONS.

#### FIFTEEN CENT COTTON IMPROVES OUTLOOK IN SOUTH

We are now making our fall shipments. Agents' sales have been all that we could ask and with 15c. cotton we are expecting fine collections. The Southern railroad which is our main line through the South seem determined to give us an improved service, moving shipments promptly. So far we have had an ideal fall for work, and as a whole we are right well pleased with existing conditions.

Greensboro, N. C.

JOHN A. YOUNG.

#### WESTERN NEW YORK ALL RIGHT

The chief matter of interest here in our nursery interests is the magnificent weather we are having for digging and getting stock into the cellars for winter storage. Right here I stop to "knock on wood" as we can stand a full month of the same favorable weather yet.

I went down to "Boston Town"—the New England Fruit Show—with business in my eye and to talk business to the New England Planter, and they gave me a large dose of

it, for if ever a lot of men were in dead earnest about what they are going to do, the men I met there were. They have just made up their minds to plant apple trees, and lots of them; this is true of the man who lives on the farm and the business man in town who is feeling the call of the soil and the longing to own a little bit of this earth besides that part of it that is kept in safe deposit vaults. I met many such men, both in business and professional life, who either have recently acquired land intending to plant fruit or who are planning to do so in the near future. A young man employed in the banking house of Kidder, Peabody & Co., said to me "there are about seventy men employed in our house, and fully half of them are looking forward some day to owning land on which eventually to retire, and are in most instances planning on fruit as a business proposition."

This condition of affairs is emphasizing the present shortage of stock of apple trees in the nurserymen's hands, to an extent that we can hardly fully realize. And the worst of it is that they want—naturally—the varieties that are shortest—Baldwin, Spy, Greening, McIntosh and Gravenstein. This is the list they are calling for with probably Wealthy next in demand, and a good deal of interest shown in the Rome Beauty. It is my impression that next to Baldwin, McIntosh is in strongest demand of these varieties, probably the shortest in supply of any commercial variety today in proportion to the demand for it. I am fully convinced that if all these planters come anywhere near carrying out their present plans a very large part of them will have to fall back on one year old trees.

Of course this great rush toward commercial planting is by no means confined to the New England states; the New York State farmer seems just as eager to take up the fight with the blight, scab, Blister Mite, Codling Moth, Scale, and general order of "bug," as his neighbor from "down east." And the New York State farmer also wants Baldwin, McIntosh, Spy and Greening, about in the order named. It looks as though we nurserymen who are not well fixed on these varieties would have "to take to the tall timber."

#### THE HEADING QUESTION

I was a good deal interested in the questions asked me by two peach growers recently—"why is it you nurserymen head your peach trees way up there", pointing to a handsome tree of about five feet in height, "while we planters want a head way down here," indicating a height of about twelve or fifteen inches. I told him it was simply because the dear public wanted them "way up there"; the question naturally rises, however, whether possibly a little different handling of our peach blocks, less "trimming up" to get height, may not be a necessity of the near future, in order to meet the needs of the commercial grower, instead of almost forcing him to take the smaller sizes in order to get his head where he wants it.

Among prospective planters I was asked the question probably twenty times, "Why can't we get Beurre Bosc pear trees? This fruit seems to grow to wonderful perfection in many parts of the east, still I was told that the market has not been very favorable the past season.

Geneva, N. Y.

W. L. MCKAY.



# PECAN ORCHARD AREAS RAPIDLY EXTENDING IN SOUTH GEORGIA AND NORTH FLORIDA

## A New Industry Established by the Introduction of Budded and Grafted Paper-shell Varieties

The pecan nut—of the paper-shell variety—is indeed “King of Nuts,” says Wm. F. Parkhurst in the *Atlanta Constitution*.

The most striking fact relative to pecan culture is that all authorities are equally positive that no other investment is comparable with a pecan grove. Albany and Dougherty counties, Ga., are situated in the most desirable portion of the south, and the pecan is one of Nature's greatest gifts to the south. The pecan tree lives a long life—some even for centuries; it bears fruit practically all its life, and it is susceptible to neither drouth nor climatic conditions. The pecan has practically no vital enemy or serious pest, and the tree combines the beauty of the magnolia with the symmetry of the pine and the fecundity of the walnut. The only way to destroy a pecan tree is to grub it up.

The pecan is practically unknown in Europe, but its use as a luxury for the table, in candies, as an oil and as a staple food product is growing marvelously in this country and Mexico. The groves in Albany and surrounding territory are the largest in the country and produce the best nuts. Over 10,000 acres are now planted to pecans or planned to be in this great section of Southwest Georgia.

The pecan as a commercial proposition is a wonder. One strong fact in favor of the pecan is that, although the trees do not bear fully before they are five to seven years old, the grove owner putting out pecans does not have to wait for them to bear to have a revenue, as cotton, corn or other crops are planted between the rows and bring in the same return as when planted alone. A pecan tree begins to bear profitable crops in five to seven years after transplanting from nursery, although some bear within three to four years. The paper-shell pecans nuts readily retail at \$1 per pound in any part of the United States.

Twenty pecan trees to the acre is the average number to plant when put in square, a distance of about forty-six feet apart is the rule. Pecan trees do not require as much care or cultivation as ordinary fruit trees, and they have fewer insect pests. Nuts and trees from the south Georgia and

north Florida districts are now being sold in nearly every country on the globe.

### HOW \$200 PER ACRE IS MADE

An acre in yielding trees (seven to nine years old) will give returns as follows:

Twenty trees are planted to the acre, each tree bearing 20 pounds of nuts, or 400 pounds of nuts per acre annually. The present price of paper-shell pecan nuts in any part of the United States is \$1 per pound. However, for the sake of extreme conservatism, figuring the sales at only 50 cents per pound, gives a return of \$200 per acre. This is net, as all necessary cultivation is secured from that given the cotton, corn, peas or other crops always planted between the rows of pecan trees. Another fact in the pecan's favor is that

each year after the seventh the trees bear more heavily, at eight years the yield being probably 30 pounds per tree. After the eighth year, an increase of from 10 to 30 pounds per tree in yield may take place.

### AN IMPORTANT INDUSTRY

More intelligent attention is being given each year to the planting and cultivation of the pecan.

The permanent and increasing annual value of the tree is being realized. Experimental

stages have been passed and the outlook for the industry is brighter than ever. The demand for fine nuts for table and confectionery purposes is constant, and the supply is entirely inadequate. The industry, so far as the better nuts is concerned, is in its smallest infancy. The large nut meat manufacturers of New York, St. Louis and San Antonio, Texas, advise that the demand for shelled pecans is constantly on the increase. In November, 1906, pecan meat was selling in St. Louis, Mo., at from 57 to 65 cents per pound in barrel lots, with demand very active, and good cracking nuts always extremely scarce. One St. Louis house alone will shell at least twenty-five carloads this season. A house at San Antonio will use one hundred cars of pecans.

Smaller plants are being established at other points. The largest manufacturers of candies throughout the country report pecan meat candies among their best sellers.



The Cultivated Pecan Orchard



Dates and figs stuffed with pecans are also in large demand. Pecan meat is entering into use in many other ways.

Mr. William A. Taylor, Pomologist in charge of Field Investigations, Bureau of Plant Industry, in 1904 Year Book, says: "Of our native nut-bearing trees none promise to become of such pomological importance as the pecan. Within the region to which it is well adapted for cultivation, which may be roughly stated as the Mississippi Valley below St. Louis, the South Atlantic and Gulf states, including Texas, no other nut tree, either foreign or introduced, can be considered as fairly in competition with it. Though long neglected as a possible profitable orchard tree, it has during the past fifteen years, assumed considerable importance, and extensive orchards have been planted in most of the southern states. Previous to about 1900 most such orchards were planted with seedling trees, or nuts of particular varieties, which were placed at desired orchard distances and allowed to germinate and grow where the future trees were to stand, thus avoiding the transplanting process. As the earlier seedling orchards have come into bearing it has become increasingly apparent that the seedlings from trees of these exceptionally fine varieties which the orchardist desires to perpetuate vary too greatly from their parent types to be of much commercial value. Such seedlings rarely bear nuts closely similar to the parent in size, form, color, thinness of shell, plumpness of kernel, or dessert quality, and still more rarely do they reproduce the desired productiveness, ripening time, or other important characteristics that determine the commercial value of the tree. The necessity of relying upon budded and grafted pecan trees for commercial orchards is now very generally recognized by intelligent planters, so that at the present time few seedlings are being planted."

#### ORIGIN OF NUT GROWERS' ASSOCIATION

Back in the early "nineties"—perhaps it was in the fall of 1891—four men met in an office in Albany, Ga., and organized what has since developed into the National Nut Growers' Association. The four men were Mr. G. M. Bacon, of DeWitt; Major R. J. Bacon, of Baconton (now dead); Mr. James M. Tift, of Albany, and Dr. J. F. Wilson, of Poulan. The organization was effected by electing Mr. G. M. Bacon, president; Major R. J. Bacon, vice-president; Dr. J. F. Wilson, secretary, and Mr. James M. Tift, treasurer.

It will be seen that each one present was elected to an office. Only four officers were elected because, it may be presumed, there was nobody else to elect.

Such was the beginning of the organization of the nut growers of Southwest Georgia, and this meeting of four men was, in fact, the planted seed, so to speak, from which the National Nut Growers' Association of today is the splendid outgrowth.

The National Nut Growers' Association was organized at Macon, Ga., in 1902, and Mr. G. M. Bacon was elected president. Mr. Bacon held the office of president until 1905, when he resigned and was succeeded by Mr. Kirkpatrick, of Texas, who held the office through 1906. F. A. Burnette, of Louisiana, was president in 1906-7; Dr. J. B. Curtis, of Florida, in 1907-8, and Mr. J. B. Wight, of Cairo, Ga., is the present incumbent.

Since the first meeting of the National Nut Growers' Association at Macon, Ga., in 1902, the annual meetings have been held, respectively, in New Orleans, St. Louis, Mo.; Dallas, Texas; Scranton, Miss.; Jamestown, Va., and Chattanooga, Tenn.

The conceded fact that Southwest Georgia now leads all other sections of the country in the development of the pecan industry, is mainly responsible for the recent meeting of the nut growers in Albany.

#### ORIGIN AND GROWTH OF THE PECAN INDUSTRY IN SOUTHWEST GEORGIA

Thirty-seven years ago Dr. Battle sent home pecan nuts from Texas to the children of Maj. R. J. Bacon, at Baconton. A few of these nuts were planted in the Bacon garden alongside the pailings. While managing Major Bacon's large farming interests several years later, Mr. G. M. Bacon dug up and transplanted four of these seedlings. One died; two were left standing where they had originally come up from the nuts. One of these was afterwards cut down or destroyed in some way. The other is still standing, a large, magnificent tree and heavy bearer. Nuts from this famous tree are known as Major Bacon's "Battle." Two of the transplanted trees are large and prolific bearers. The other, crowded by large oaks and other growths, has never done much.

Results from these trees, though comparatively small at the time, satisfied Mr. G. M. Bacon that the possibilities of the pecan in this region offered an inviting field of endeavor and determined him to plant out a commercial grove as soon as he acquired land of his own and was in a position to put his ideas into execution. In 1882 he purchased what was then known as the Troup Butler plantation, three miles north of Baconton. And this is now DeWitt, the home of the extensive nurseries and bearing pecan orchard of the G. M. Bacon Pecan Company, and the South Georgia Pecan Company, the latter company being managed by Patterson & Taylor, Chicago and Professor Craig of Ithaca, N. Y.

Mr. Bacon began planting pecans on his place in 1886, and began selling nuts in 1893. In 1898 he started the nursery business in a small way, and in 1900 and 1901 he planted pecans on a large scale. The Bacon Pecan Company, of which he is still the head, was organized in 1903. By this time he had demonstrated to others the possibilities of the pecan business as a purely commercial proposition, and the capitalization of a company for carrying on the business was easy.

The later companies have planted a larger acreage for their own personal groves and have also sold and are developing for northern investors many five-acre tracts. It may be said to their credit that they have set a new standard for the cultivation and care of pecan orchards. They do not believe in letting a pecan orchard grow like "Topsy." It is their custom to cultivate a ten-foot strip along tree rows continuously during the growing season and keeping this ten-foot strip clear of all grass and weeds and keeping the soil in the very best condition to conserve the moisture and

(Continued on page 399)



# EVERGREEN CONIFERS

Samuel C. Moon, Morrisville, Pa.

[Continued from Page 329]

## TSUGA CANADENSIS

Among all the conifers there are none that can supersede the American hemlock spruce in beauty or usefulness as an ornamental tree. For a lawn specimen or for effective grouping, or for ornamental hedges it is equally valuable. When I was a boy my father told me to plant 5000 young hemlocks every year I was in the nursery business. That this country never had been and he did not believe it ever would be, overstocked with good hemlocks. Among the mistakes of my business career I think I may include the fact that I have not always heeded his admonition on this point.

The weeping form known as Sargent's weeping hemlock, forms a unique drooping bush. Small plants of it are not very pretty and are therefore, disappointing and unsalable, but those who can be induced to plant, on the faith of another's recommendation, one of these plants in an appropriate nook, will in a few years be rewarded by a rare attraction to their garden. It grafts readily on the common hemlock.

## ABIETIA OR PSEUDOTSUGA DOUGLASII

The Douglas fir, is described in Veitch's coniferae as "not only one of the most interesting but also one of the most valuable trees; its size and its capacity for adapting itself to new surroundings contribute to make it one of the most important inhabitants of Western America. Its natural distribution through 32° of latitude, from 55° north, near Lake Tacla in British Columbia, to the tropics of Mexico make it the most widely distributed of all American trees, excepting perhaps the common juniper; it must thence possess a constitution that enables it to endure the fierce gales and long winters of the north and the nearly perpetual sunshine of the Mexican Cordilleras; to thrive in the rain and fog which sweep almost continually along the Pacific coast range and on the arid mountain slopes of the interior where for months every year rain never falls." This great variation of habitat make evident the importance of cultivating trees from seed grown under environments calculated to engender rugged constitutions and many of the failures which have attended experiments with these trees may very probably be traced to their having originated from seed gathered in localities differing too greatly from those in which their offspring were transplanted. This tree should be widely distributed and planted extensively wherever large fast growing evergreens are needed.

## THE JUNIPER

Among the junipers there are a dozen varieties that afford means of adding dainty touches of beauty and

artistic effects in nooks and corners and limited spaces which larger growing trees would smother or crowd out of sight. Several varieties of *Juniperus communis* are useful for such purposes and first among these I would place the Swedish juniper, *Juniperus suecica*, and also its dwarf form, *suecica nana*. I consider this a little hardier than the Irish juniper, not quite as tall and rather more compact in habit than that variety; while the dwarf Swedish forms a low round bush about as tall as broad.

*Juniperus pyramidalis* with its lighter green or almost glaucous hue seems to be a little hardier and more robust in habit than the Irish Juniper which is in more general use than any other variety.

For a low mass of bright yellow color, no conifer is more effective than the form of *communis aurea*, known as Douglas' golden juniper.

As a cover for mounds, embankments and rocky places, the trailing forms of *Juniperus sabina*, variously known as *procumbens*, *prostrata*, *repens*, *tamaracifolia*, etc., are all useful.

*Juniperus virginica* better known as red cedar, is a common tree in the eastern states, once looked upon with some disdain, but of later years its good qualities are being appreciated and it is being used extensively by landscape planters so that there is large demand and but limited supply of good trees. I have in mind a certain little group half way up the slope of a steep and stony hillside, where a large mazzard cherry tree and a red cedar 30 feet high, have grown up in such close proximity that the spreading branches of the cherry have half surrounded the cedar's spire, presenting an unusual but charming effect in lawn adornment and a valuable object lesson in nature's great scheme of contrast and harmony conspicuously attractive when the cherry is bare of foliage and again in spring when shrouded in its mantle of white blossoms, with the dark evergreen in its loving embrace. Such features as this should be preserved and encouraged wherever possible, not only for the beautification of the nearby home, but for the interest which they add to the general landscape to be enjoyed by the traveling public.

All the junipers need careful handling when transplanted and a few moments of careless exposure of roots has caused the loss of many plants and sometimes has given the plants and the nurseryman a bad name.

In Iowa, and probably other central states, red cedar makes a large spreading tree quite distinct from the slender columnar form which is most common in the east but equally as valuable for some forms of ornamental planting.

(Continued on page 398)



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December at Kansas City.

CREDIT  
RECORDED

It has just come to our notice that the  
illustrated article on the characteristics  
and differences of the hardy forms of the  
Snowball Hydrangeas, by Dr. Alfred  
Rehder, in the September number of the  
NATIONAL NURSERYMAN was not credited to that gentle-  
man. We regret this very much and hasten to place the  
credit for this valuable article where it belongs, namely,  
over the name of Dr. Rehder of the Arnold Arboretum.

HANDSOME  
APPLES

The editor's office takes pleasure in  
acknowledging the receipt of splendid  
samples of Delicious, Senator and Rome  
Beauty apples from Stark Bros., of  
Louisiana, Mo. The samples well il-  
lustrated these varieties at their best—as they can and should  
be grown. The region that can grow Rome Beauty and  
Senator with such fine size and beautiful coloring, has two  
valuable commercial varieties. As for Delicious, the high  
quality of this variety causes it to be kept in "easy remem-  
brance."

CANADIANS  
SHIPPING  
PEACHES TO  
LONDON

The English papers chronicled late in  
October the arrival of a consignment of  
Canadian peaches in London. The size,  
quality and appearance of the fruit  
received favorable comment. This ship-  
ment was in the nature of an experiment. The fruit ar-  
rived in splendid condition, and the results of the trial are  
very encouraging to those interested in transportation  
questions. At the meeting of the Ontario Fruit Growers  
Association, several individuals cited experiences in for-  
warding small consignments. The chief difficulty is in the  
matter of quick distribution.

NEW  
JOURNAL

There has come to us out of the West  
another horticultural journal entitled  
the *Fruit Magazine*. This is edited by  
Mr. H. Maxwell Smith, of Victoria, B. C.  
In consideration of the rapidly develop-  
ing fruit interests of the Canadian Northwest there should  
be an opening for a good fruit journal devoted to the  
interests of that section.

THE GOOD  
OLD ANJOU

We are pleasantly informed of the  
enduringly satisfying qualities of this  
splendid dessert pear by a Thanksgiving  
reminder in the form of a box from  
Messrs. Ellwanger & Barry, of Rochester.  
This firm has consistently stood for quality in fruits and  
has retained, at much inconvenience and probably consider-  
able pecunary loss, a large collection of varieties typifying  
the dessert characteristics of pears. These are needed for  
home collections when the best should be grown. Anjou is  
a commercial sort of course but is not always appreciated at  
its full value.



## ACTIVITY IN NURSERY LINES

The planting of orchards East and West is progressing with almost unparalleled rapidity. New England is waking up. The Pacific Slope region is planting as fast as water can be secured and natural conditions warrant. Cities are studying civic improvement to the end that parks are being established, boulevards extended and cemeteries improved. The restoration of a feeling of financial stability has brought with it a desire to improve the private estate and make the country home more beautiful. All this means business for the nurseryman and landscape architect. The autumn has been favorable, although it followed a rather dry summer in the East. The new tariff is not likely to work any noted revolution in trade. Probably the rose trade will be affected more than any other as the new tariff is practically prohibitive. Some importers decline to take orders. This will have the effect of stimulating home production. On the whole the feeling of the nurserymen at the close of the year 1909 is one of satisfaction in the past and confidence in the future.

## PROGRESS IN SPRAYING

The last two years, especially the one just going out, have recorded a considerable change in spraying practices. For several years Bordeaux mixture has been the standard and accepted fungicide. It is interesting to note that it is now being supplanted by one of the fungicides first introduced but later set aside for the copper salt and other remedies. We refer to lime and sulphur compounds. Early in the history of spraying in this country, hypo-sulphite of soda was recommended and tried as a remedy for fungus parasites. Sulphur in the dry form has been an accepted remedial agent against greenhouse plant parasites for many years. The past few years have seen the return of sulphur mixtures to an apparently established place in the program of warfare on plant and insect parasites. Lime sulphur mixtures were first recommended as dormant sprays. The experience of the summers of 1908 and 1909 demonstrate that they are likely to take an important place as summer washes.

The experiments of Scott in Florida and Virginia appear to demonstrate the efficacy of the self-boiled lime sulphur as a preventive of brown rot of the peach, scab of the peach, and scab of the apple, while the Cornell Experiment Station studies indicate that the Niagara brand of lime sulphur a proprietary mixture is also efficient in preventing apple scab when used as a summer spray. Again the experiments of Virginia growers and those of George T. Powell of New York, speak strongly in favor of another proprietary mixture, sulfocide (the B. G. Pratt Company), as a remedy against apple scab when applied as a summer spray. These various experiences suggest that spraying formulas are not finally and definitely settled, but that each year is likely to bring forth such experiences as will call for more or less annual modification in formulas and methods of application.

## Fruit and Plant Notes

### BOSC PEAR

This comparatively old variety of pear has curiously enough not become widely known as a commercial sort. Why this should be so is difficult to explain, for there are few pears possessing a larger number of good qualities than Bosc. A few days ago in visiting the exhibition of the Ontario Fruit Growers' Association in Toronto we were struck by the remarkably fine specimens there exhibited. Later during the progress of the meeting Mr. J. R. Cornell of Newburgh, in giving an address on pears again exhibited fine specimens of Bosc and emphasized its value as grown by him in Eastern New York.

The fruit is large, elongated and acutely pyriform. The surface is somewhat uneven, being covered by slight indentations. The greenish color of the picked specimen is followed by a deep yellow nearly covered with cinnamon colored russet. The stem end is sometimes elongated into quite an acute point which however does not militate against easy packing to any considerable extent as the swell of the base fits into the convexity of the neck. The flesh is white, of fine texture and a rich, sweet flavor. In the Ontario Lake region the season is October to the middle of November.

The Bosc tree is a vigorous grower, a regular bearer, possessing the peculiarity of producing its fruit singly and not in clusters. This habit obviates to a very considerable degree the necessity of thinning the fruit. It is popular on the Pacific Northwest. Mr. Cornell and other pear specialists of the State are a unit in recommending Bosc as a commercial variety for domestic and export purposes.

### THE McPIKE GRAPE

Some eight or nine years ago it was our pleasure to visit Alton, Illinois, for the purpose of examining the original McPike vine and a vineyard of that variety. We were speedily convinced that the originator in producing this variety had succeeded in adding a worthy grape to our cultivated lists. Of course at that time it had not been widely tested, and its adaptability to varying conditions was practically unknown. The right to propagate the variety was sold to an Iowa nurseryman, and in due time the McPike grape was catalogued by many nurserymen over the country.

Before long the purchasers secured fruit and in the fullness of time, opinions from the standpoint of the grower in regard to the value of the grape were forthcoming. As in most cases these opinions expressed widely divergent notions regarding the usefulness and worth of the grape; but in this instance there appears to have occurred some unfortunate mistake in the propagation of the variety, for many vines labeled McPike and planted in different parts of the country are now bearing nothing but Concord or Worden grapes. It is more charitable to say that this was a mistake than to say that it is a case of wilful substitution. But unfortunately for the reputation of nurserymen and the



good of the varieties which are worthy of introduction this sort of thing occurs too often. The confusion in the case of the McPike seems to be so widespread that it is a very difficult matter for anyone at the present time to be sure of getting the genuine article. The incident is regrettable and it emphasizes the great desirability of the exercise of care of the most scrupulous kind in the propagation of new varieties.

#### EXPERIMENTS WITH GRAPES IN CALIFORNIA

At the Chico Experiment Station nearly 1,000 varieties of grapes are being tested. There are twice or three times as many in the collection, but the newer ones are receiving the immediate attention of the experts. Substations for the testing of grapes are now distributed quite generally over the state of California, and are in charge of

George C. Hussman, expert in viticultural investigation, under the U. S. Department of Agriculture. Many of these grapes are grown for the purpose of determining their value in the production of wine. They are tested for sugar and acid, as well as for their general productivity. Another important line is the study of the influence and value of various stocks. The success or failure of many varieties depends upon the stock upon which they are grown.

#### A NEW PERENNIAL PHLOX

C. S. Harrison of York, Neb., is enthusiastic over a new variety of phlox which he has developed after selecting phloxes for a number of years. The claims which he makes for his new variety, Arete, are that it is a free, continuous bloomer, with full symmetrical heads. It also propagates early which is a strong point in its favor.

## EDITORIAL WANDERINGS

### CANADIAN HORTICULTURAL GATHERINGS

The week of November 8th to 12th, saw a gathering of four important societies, all having horticultural interests, in the city of Toronto. These societies are all subsidized by grants received from the provincial government. This enables them to pay the traveling expenses of their officers and insure the publication of their annual reports. In this respect the societies have a great advantage over others which are strictly self-dependent; but this form of paternalism is the rule in Ontario and not the exception, for it is a fact that there are probably over one hundred societies in that province receiving annual grants from the provincial government for the furtherance of the particular line of work which they are promoting.

The societies which met in Toronto represented the Ontario Fruit Growers, the Ontario Vegetable Growers, the Florists and the Federation of Horticultural Societies. These are all largely delegate conventions. The meetings were held in different halls on practically the same days, although some of them simply overlapped.

In conjunction with the meetings there was held a very impressive and comprehensive exhibition of fruits, flowers and vegetables. This exhibition was one of the best which we have attended. The district displays of fruits were particularly fine. Not only was the quality and appearance excellent but the quantity was sufficiently large to approach in impressiveness the fruit displays now coming into vogue under the auspices of the exhibition corporations in the West. One of the county displays may be cited, namely that of Norfolk county. This comprised an exhibit of boxed apples which on the score of appearance, quality and character of pack was as good as I have seen in any exhibition in recent years. It included a large quantity of apples in barrels in addition to the box packages. Norfolk

county lies in the Lake Simcoe region in northern Ontario, a section characterized by fruit of brilliant color and of good quality.

One of the sections which attracted a great deal of attention and in which keen competition centered, was that including Baldwin, King, Spy, Greening and McIntosh. There were from twenty to thirty entries of each of these in which prizes of \$10.00 were offered for the best single specimen of the leading varieties of commercial apples, varieties and the task of discovering which was the best specimen was not an easy one.

#### SUBJECTS DISCUSSED

The program of the Ontario Fruit Growers' Association was classified under different heads, a whole session being devoted to the consideration of a single subject, as apples, pears, grapes, peaches and the like. One of the interesting topics presented bore upon the most suitable kind of secondary crop for the orchard. Ontario Fruit Growers are almost a unit on the desirability of inter-planting the orchard with some kind of secondary crop to bring in revenue and pay the expenses during the unproductive period: Mr. Hamilton of Clarkson showed by an exhibit of his expense account covering a five-year period, that he was able to bring a four-acre orchard to the bearing period and at the same time secure a net return of \$1,500 from this area in five years by strawberries and raspberries growing among his apple trees. The ground is to be permanently occupied by apples which are again "filled" with quick bearing varieties, but between these the raspberries and strawberries have been planted. This secondary crop has proved a very profitable investment, and deducting all expenses has given the owner a return of almost \$100 a



year per acre. This is certainly a remarkable showing but is the result of intensive cultivation and thorough business management.

Additional evidence was brought in to support the fast accumulating proof that lime and sulphur is to be relied upon as a fungicide suitable for summer use. Experiments by the officers of the Ontario Agricultural College, supported by fruit growers in the Niagara district, all sustain this belief. It would seem as though Bordeaux mixture was to be supplanted in the near future.

#### PROFITS FROM GRAPES AND PEACHES CONTRASTED

Papers on the subject of grape growing appeared to give the impression that this industry was not as stable and as sure a profit bearer as many others which fruit growers might engage in. The Niagara district grape growers were not enthusiastic in regard to the future, in fact looked upon it rather dubiously. Markets were apt to be glutted. The expense of growing the fruit was increasing, the difficulties of warding off fungus and insect enemies were growing greater each year and the outlook generally was not promising.

In contrast to this was the report from the peach growers. Many instances of striking successes in peach growing were recounted and marvelous tales of great returns filtered around among the members between sessions. It seems certain that the peach industry in the Niagara district is on the rise. It has largely supplanted the apple between Hamilton and St. Catharines, down the Niagara River, and now that San Jose scale is not feared in the peach orchard and the markets of Manitoba and the Northwest are made accessible and available by good transportation the outlook is cheerful for the Southern Ontario peach grower.

#### READJUSTMENT

The whole trend of discussion showed that there was a considerable readjustment going on in the fruit growing sections of the province. In the early days apple trees had been extensively planted in Southern Ontario, but in this favored lake region the peach, the plum, the pear and the grape are now the dominant fruits, while the apple is taking its rightful place in the colder sections where natural conditions are more favorable for its production. In the Lake Erie region fruit growers have suffered severe reverses in the last ten or fifteen years. For a time peaches were very profitable and the area extended rapidly. The hard winter of 1903-04 destroyed a large proportion of the peach area and rudely awakened the fruit growers from their dreams of early opulence and affluence. The severe freeze causing extensive root killing, wiped out nearly all the peach orchards, particularly those which were clean cultivated, destroying peach growing ambitions in the minds of many people, but now that a few years have gone by hope and confidence in the future are returning and peach orchards are once more being replanted. Experience will teach caution and methods of culture will be revised to the advantage of peach growing in that section.

The Ontario Fruit Growers are demonstrating the possibilities of co-operative effort in the marketing of their

products. Notable instances of the value of this kind of effort are to be seen in St. Catharines and vicinity. There are also many co-operative packing and shipping stations in the apple sections. These have been largely promoted through the efforts of the fruit divisions of the provincial and Dominion governments.

## Business Movements

The Jackson & Perkins Company at their last meeting elected Mr. John Watson, secretary. The other officers are: C. H. Perkins, president; G. C. Perkins, vice-president and treasurer. The election of Mr. Watson as secretary means recognition of faithful efficient service.

The Frank Kadlec Nursery has recently established itself at Evanston. Its former home was Johnston Avenue, Chicago. Evanston provides better shipping and storing facilities.

#### THE UNITED STATES COMPANY

This Company was organized at Wilmington, Del., by E. L. Squire, G. W. Dorsey, Jr., and L. Rothstein. The firm starts business with a capital of \$100,000.

#### THE VILLE DE BOIS PLANTING COMPANY, LTD.

This Company was recently organized at Napoleonville, La., by Camille R. Alleman, Edgard Jumondville and Alexander Jumondville. The Company has incorporated with a capital of \$30,000.

#### MOOREFIELD NURSERY AND ORCHARD COMPANY

This company organized with a capital of \$50,000, of which \$36,000 has been subscribed, has headquarters at Moorefield, W. Va. Incorporators are, J. William Gilkeson, J. C. Fisher, H. C. Baker, C. B. Welton and Benjamin Dailey, all of Moorefield.

T. C. Thurlow's Sons Nursery, West Newberry, Mass., has been incorporated with capital of \$15,000.

The Yakima Independent Nursery of Wapata, near Olympia, Wash., has organized for incorporation with a capital of \$10,000. The incorporators are W. A. and Ethel Berg.

#### OTHER NEW NURSERIES COMPANIES

The Crystal Springs Nursery Company has been organized with headquarters at Seattle, Washington, capital \$10,000, directors—M. Furura, W. L. Gazzam, W. A. Kuene.

The Granville Nursery Company has been incorporated at Granville, N. Y. Directors are John A. and John Farmer of Granville, and Edgar B. Farmer of Quincy, Mass.



## EVERGREEN CONIFERS (continued from page 393)]

## THE PINES

In Veitch's Coniferae there are fifty-one pines described as distinct species, besides a score or more of varietal forms with a range of native habitat from the tropical island of Sumatra to the Arctic circle. Probably very few of the present company have ever seen more than one half of this number and how many of us can identify one dozen species suitable for ornamental planting in our home neighborhood. I confess that I cannot.

I do not know how to add another variety to the old standbys, *Austriaca*, *palustris excelsa*, *strobilus* and *sylvestris* for large growing species and *Cembra* and *Mughus* for smaller forms. *Ponderosa* is I believe inferior to *Austriaca* which it resembles and the Eastern species, *densiflora* and *Thunbergii* which the Japanese use so extensively and contort into all sorts of fanciful and grotesque shapes and which are sometimes recommended here are of doubtful hardiness in the eastern states and likely to be disappointing.

## ARBOR VITAE AND RETINOSPORA

The variableness of *Arborvitae*; the ease with which they are transplanted and their rapidity of development and withal, their cheapness, render them very useful plants in a great variety of work—and the same applies with equal force to the nearly allied group which we know as *Retinospora* *pisifera* and its varieties, including the several *plumosas* and *squarrosas*. For hedges large or small, for massing, for fillers and temporary plants in new plantations, few plants can be more useful than these and with proper attention by occasional shearing, handsome lawn specimens can be developed and maintained, but without occasional shearing the *Retinoporas* are apt to become open and ragged after ten or fifteen years. Although *Retinospora obtusa* does not transplant quite as easily as the *pisiferas* it is an excellent tree and *obtusa nana* is one of the choicest small conifers in cultivation. Both of these should be seen much more frequently than they are.

For yellow foliage in creating color effects, *Geo. Peobody arborvitae*, *Retinospora pisifera aurea*, *plumosa aurea*, *plumosa sulfurea*, *obtusa nana* and *filifera aurea* are unsurpassed in brilliancy and constancy of color,—and if we add *Juniperus communis aurea* and *Taxus baccata aurea* we have the cream of the hardy golden conifers.

No list of choice conifers would be complete without mention of that rare relic of the remote past “the sole survivor of a phase of vegetation long since extinct” *Sciadopitys verticillata*, the Umbrella pine of Japan,—some where spoken of as “the most beautiful of pines.” With every tree virtue to its credit and with no demerits, it should occupy a prominent position in every lawn and garden good enough to be worthy of its society. Scarcity is the only drawback to its more general planting.

If these remarks suggest to any mind a desire for further development of the house comfortable and the country beautiful by increased planting of evergreen conifers,—they will have accomplished their purpose.

## Book Table

BIOLOGY AND ITS MAKERS by William A. Locy. 8¾x5¾, 467 pp., illustrated. Published by Henry Holt & Co., New York, 1908. Price \$2.50.

This interesting book gives in a plain, matter-of-fact, direct manner the rise of the science of biology and sketches the beginning and progress of evolutionary thought. Not the least valuable part of the book is that which outlines the life history of the early scientists who are responsible for the orderly development of zoology, botany, and related sciences.

The book is divided into two sections. In the first part the sources of the ideas that dominate biology are considered. In the second part the main feature is a discussion of the doctrine of organic evolution. The various life stories of the men who have been concerned in this field are presented without personal color or bias. It is essentially a record and as such is of great value to the student of natural history.

The work is dedicated to the graduate students of the author, who is a professor of biology in North Western University.

## Obituary

## GEORGE M. KELLOGG

A leading florist and prominent citizen of Pleasant Hill, Mo., passed away on November 15th, in the person of George M. Kellogg. He was a New Englander by birth, and moved west a number of years ago. He was a leader in progressive floriculture, and a regular attendant at the meetings of the National Society.

## Note and Comment

## CO-OPERATIVE APPLE SELLING ASSOCIATIONS IN CANADA

One of the striking developments in the handling of fruit in Canada in recent years has been the organization of co-operative associations for the grading and selling of apples. There are between fifty and sixty of these in operation in the Dominion of Canada. In the Province of Ontario they are federated and held together by a central association, which keeps the subordinate organizations informed regarding prices, aids them in the purchase of supplies, and acts as a general directive body. The co-operative associations gather the fruit into packing houses, where the grading is done under the supervision of competent men who have no interest in the sale of any part of the fruit.

It is significant that shipments of fruit from these co-operative associations have always passed the inspection of the officers of the government working under the provisions of the Fruit Marks Act. In other words, it shows that the grade of fruit is uniform and satisfactory. These co-operative associations are already in operation in the western part of the United States. Hood River and other associations in Idaho represent the possibilities of the system. It is a question which our eastern growers should carefully consider, especially in regions where the individual orchards are comparatively small. In localities where orcharding is not a leading and dominating feature, the apple crop frequently fails to bring the owner its value. Now, if a number of these small growers could combine, there is no doubt that much larger returns can be obtained.

## THE WAY IT STRIKES THEM.

“We can't get along without THE NATIONAL NURSERYMAN.”

WAXAHACHIE NURSERY CO.,

Waxahachie, Texas.



(Continued from page 392)

promote the rapid growth and development of the trees. These companies have a corps of expert horticulturists in charge of their orchards and a large force of assistants and common labor constantly at work in the care and development of their groves. They have made a special point of planting only three-year old trees and with their incessant cultivation expect to bring their orchards into bearing by the fifth year from time of transplanting. It is the opinion of those who have inspected the orchards of the above companies that this district south of Albany in the Flint River valley will be in a few years one of the show places of Georgia.

These orchards are laid out in a regular way by a surveyor, 20 trees to an acre are planted, and broad avenues are laid out at equal distance through the orchards upon which a drive-way is graded, ornamented on either side by a row of magnolia trees.

## Obituary



HERMAN J. BERKHAN

The many friends of Herman J. Berkhan will regret to learn of his sudden death at his residence in Plainfield, New Jersey, Tuesday, November 16th, from the effects of a stroke of apoplexy. Mr. Berkhan has been ill for some time, in fact, ever since he was stricken on a train while going from New York to his home in Plainfield, but his condition was not considered serious and his sudden end came as a severe shock to his family and friends.

Herman Berkhan was born in Charleston, S. C., May 26th, 1859. He learned the drug business and after graduation practiced it as his profession. In 1833, he moved to New York and was employed as traveling salesman by Andre L. Causse. It was in this capacity that he became acquainted with many nurserymen throughout the United States and no one of the several traveling salesmen in that line was more welcome in an office than Mr. Berkhan. His genial manner, good humor and general good fellowship won him a host of friends wherever he traveled. In February, 1893, he left the employ of Mr. Causse and accepted the agency for the United States and Canada of Levavasseur & Sons, Orleans, France, and this agency he held for many years.

In February, 1902, he organized the Omnia Chemical Co., of New York, for the purpose of manufacturing and selling preparations known as "Kil-lol" an insecticide which he compounded. Several prominent nurserymen were among the incorporators and officers of the company. As the business of the new company grew he relinquished the nursery agency of Levavasseur & Sons and devoted his entire time and energies to the development of the Omnia Co. of which he was not only the Secretary and Treasurer but also the largest individual stock holder. His widow and five daughters survive him.

Splendid assortment of standard and new sorts. Now is the best time to engage all varieties, and the only time to secure some varieties. Send list of approximate wants for lining out.

THE LEEDLE FLORAL COMPANY  
SPRINGFIELD, OHIO.

## GRAPE VINES A SPECIALTY T. S. Hubbard Company

FREDONIA, N. Y.

ESTABLISHED 43 YEARS

We offer for Fall and Spring trade a large and complete stock of one and two year old **GRAPE VINES** in strong grades for nurserymen and dealers trade.

We also have an extra nice stock of one year **CURRENTS**.

Send us your want list for prices.

## CALIFORNIA AND AMOOR RIVER PRIVET

Large stock in all grades. This stock being our leading specialty we are able to quote low prices, and believe that we now have the largest stock of any Nursery in the country. Besides we offer Shade Trees, Shrubs, Berry Plants, Grape Vines, Roses, Cannas, Etc., Etc. Special prices on car load lots for booking of early orders.

Trade List ready August the first.

## VALDESIAN NURSERIES,

Bostic Department, Bostic, North Carolina.

**FOR SALE.** Subscriptions to the National Nurseryman. Have it sent as a Christmas present to your friend who does not now take it. Help him start the new year right.

**NATIONAL NURSERYMAN, Rochester, N. Y.**

## FOR SALE

Silver and Norway Maple, Carolina Poplar, American Arbor Vitae, and California Privet; also 10,000 one-year Apple. Very Fine.

Would exchange for Feigley Tree Digger.

**R. R. HARRIS, Harrisville, W. Va.**

## General Line of NURSERY STOCK

1 year Peach, Berberis Thunbergii, Ibota Privet and White, Scotch, and Austrian Pine

**M. T. TWOMEY, 10 Tremont St., BOSTON, Mass.**

# PEONIES

ONLY BY THE WHOLESALE

Let me send you my list of **OVER ONE HUNDRED** Best Varieties  
**J. F. ROSENFELD, - - - WEST POINT, NEBR.**

## L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolus, Cannas and Dahlias

**Nurserymen Should Try My Simplex Tree Baler**

**IT DOES THE WORK. PRICE \$16.00.**

**Special 20,000 California Privet.**

## KANSAS CITY NURSERIES

**GEO. H. JOHNSTON, Proprietor**

(Successor to Blair & Kaufman)

**233-234 Rialto Bldg., Kansas City, Mo.**

Offer for **FALL 1909** and **SPRING 1910** large stock of Carolina Poplars; Catalpa Seedlings; Cal. Privet; Concord Grapes; Currants; Asparagus; and a full line of Ornamental Shrubs, Paeonies, etc.



## Quiz Column

### EFFECTS OF EARLY AND LATE FROSTS

Editor NATIONAL NURSERYMAN,  
Sir:

Will you kindly inform me what effects early and late frosts have on apple, pear, cherry, peach and plum trees in the nursery. Please explain further the use of nitrate of soda in stimulating growth of weak trees.

A. H. A.

### ANSWER

The effects of early autumn frosts and late spring frosts on nursery stock are illustrated in very different ways. The condition of the trees at these two seasons is very unlike. In spring the beginnings of growth are commencing, the young growth, be it leaf or shoot, is very tender, and consequently susceptible to injury by frost. In the autumn the tree is in a different condition altogether, in that the processes of growth have ceased and the energies of the plant are employed in storing the cells with food materials for the beginning of work the following season.

Ordinary frosts, that is to say, those in which the temperature falls only a few degrees below freezing, in spring will result in the destruction of the tender foliage. This results of course in a serious check to the growth of the tree and injures its vitality and general vigor, but with good cultivation and plenty of plant food, trees so effected will, if the remainder of the season is favorable, recover and make a fair growth.

Sharp frosts under normal conditions in the autumn should do no harm. They simply hasten the process of ripening and cause an early fall of the leaf. On the other hand, under abnormal conditions we have seen serious injury follow an excessively hard frost in November. Let us suppose that the season has been dry, that the trees have ripened up fairly well and have lost their normal amount of moisture. If following this there should be a heavy rain-fall soaking the ground and the wood of the trees, and this be then succeeded by a stiff freeze, it is quite possible that a considerable amount of bark bursting would result. We have seen this occur in nursery regions quite occasionally but it is an unusual condition and of course one that can hardly be avoided. Often the injury in a case of this sort is most severe at the base of the tree just at the surface of the ground. If the water lies around the stem of the tree and this is converted into ice it may result in mechanical injury to the stems which is sometimes very destructive. This form of trouble may be avoided to some extent by banking the trees in the autumn so that the water will be turned away instead of being allowed to collect in basins along the line of the row.

We trust that this will answer your question. The other part of your question, that referring to the use of nitrate of soda in stimulating growth of weak trees, will be found in the May issue of the NATIONAL NURSERYMAN for 1909.

EDITOR.

## Wanted!

By a young man of education and executive ability, a position with progressive nursery firm. Has newspaper and advertising experience with three years of field experience in special line of nursery work.

Address, **PRACTICAL,**  
Care National Nurseryman.

## E. T. DICKINSON, Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,  
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

### PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,  
Trees and Shrubs.

**Geo. E. Dickinson,** 1 Broadway, N. Y.

### Surplus Stock, Spring 1909

50,000 PEACH TREES, 1 yr. from bud.  
10,000 APPLE, 1 yr. from bud.  
100,000,000 STRAWBERRY PLANTS in six leading sorts.  
MYER No. 1, AROMA, STEVEN'S CHAMPION.  
Superior. Gandy.  
A general assortment of other stock.

**D. S. MYER & SON,** Bridgeville, Del.

## PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED, crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,  
4th Ave. & Clinton St., BALTIMORE, MD

## SHERMAN NURSERY COMPANY CHARLES CITY, IOWA.

Large Growers of **HARDY STOCK** In the Northwest

Over 20,000,000 Evergreens in stock, 1,000,000 Grape, 5,000,000 Apple, and 100,000 Plum are counted among our assortment this year. We are also extensive growers of a general line of Hardy Nursery Stock. AGENTS WANTED

## FARM USES of CARBOLINEUM are completely explained in BULLETIN 26

covering Kinds and Habits of Lice—The care of Silos, Preservative treatment of Shingles and Fence Posts, and the care of Fruit and Shade Trees. Mailed free on request.

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189 Franklin Street, New York, N. Y.



**OREGON NURSERY COMPANY**

The Oregon Nursery Company, Salem, Ore., has moved its entire plant to Orenco, Ore. The name of this latter place is derived by abbreviating the name of the firm. They are building a little town of their own sixteen miles west of Portland on the Oregon Electric Railway. They are reached via Hillsboro.

At the recent fall exhibition of the Horticultural Society of New York, Messrs. Bobbink and Atkins placed on exhibition in good sized pots, over 100 varieties of coniferous evergreens. These formed an exceedingly attractive part of the exhibition and excited much favorable comment.

E. Ferrand & Son, Detroit, Mich., write: "We are pleased to say that our ad. has brought us much correspondence, and you will do us a favor in not publishing the ad. any longer, as the stock is all disposed of."

The NATIONAL NURSERYMAN Publishing Co.,

Dear Sir:

We beg to inform you that the old established business of Tylers, of 162 Granville Road, has now been absorbed by Johnsons Limited, of Twyford Abbey Mushroom Farm, Nr Willesden, and in future the two businesses will be conducted under the title of Tyler, Johnson & Co., Ltd. All communications should therefore be now addressed to the Company at the above address.

Willesden, London, N. W., England. HUBERT B. FLINT,  
Secretary.

The city of Atlanta, Ga. was recently visited by a very destructive hail storm. A large amount of glass was broken in the stores and dwellings of the city, but the greenhouses came in for a very destructive visitation. Losses from broken glass ranging from \$800 to \$3000 were sustained by different florists of the city.

**HARRISON'S HANDBOOK ON FRUIT GROWING**

J. G. Harrison & Sons, Berlin, Md., have recently issued an interesting little handbook on "How to Grow Fruit." This is presented to the commercial and amateur fruit growers of the country and discusses in a direct, straightforward manner the principles of fruit culture. The questions of preparing the soil, planting, orchard management, including spraying and packing, are discussed clearly and interestingly illustrated. The manual will be of considerable service to planters and is an excellent type of advertisement for the nurserymen.

Mr. Frank H. Darrow of New York city, well known to all Nurserymen, spent Wednesday, November 24, in Rochester. His call upon the Business Manager of the NATIONAL NURSERYMAN was thoroughly enjoyed. Mr. Darrow has just returned from an extended tour of the West and reports that trade conditions are fine.

**CAROLINA POPLAR BOX ELDER**  
**CALIFORNIA PRIVET and CATALPA SPECIOSA**  
ALL ONE YEAR OLD

For further particulars and prices, address

**SOUTHWESTERN NURSERY COMPANY**  
C. M. REDMOND, Gen'l Mgr. Okemah, Okla.

**BOX STRAPS**  
**WARD-DICKEY STEEL COMPANY**  
INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

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"A. B.," care of NATIONAL NURSERYMAN.

**WE** make a specialty of collecting accounts for the Trade.

For particulars and references, address the

**National Florists' Board of Trade,**  
56 Pine Street - - - - - New York City

**TO THE TRADE**

If you need Silver Maples, Carolina Poplar, Willows, Lombardy Poplar, Tulip Tree, White Ash, Grape Vines, Peach and Pear and one-year Apple, write us; we have them. Fig and Pecan at our Branch Nurseries, Monticello, Fla. Prices will be right.

**Commercial Nursery Co., Winchester, Tenn.**

**We are Prepared to Handle Your Orders**

for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

**SPECIAL**—We have 1000 bu. of Red and Burr Oak Acorns, on which we can make special low price.

**SEED DEPT.**  
**DUNDEE NURSERIES**  
D. HILL, Prop.  
DUNDEE, ILLINOIS

**Prepare for Spring**

Advertising is not a medicine to be taken in time of distress. It is a nourishment and should be taken regularly. Therefore, begin now and build up for Spring. We will reserve space if you write.

**National Nurseryman, Rochester, N. Y.**

**B A R G A I N S**

15,000 Pin Oak, - - -	1 Year, 8 to 15 in.	Fine
10,000 Red Oak, - - -	" 12 to 24 "	"
10,000 Pecan - - -	" 6 to 12 "	"
25,000 Black Walnut,	" 12 to 24 "	"
25,000 Honey Locust - -	" 8 to 12 "	"
10,000 Ampelopsis Quin-		
quefolia, - - -	" 6 to 12 in.	
10,000 Choice Named Dahlias, field clumps		
Let me price your lists.		

D. W. BABCOCK,

Berlin, Md.



## Among Experiment Station Workers

### OHIO

This Station has published some very valuable bulletins. Among the more recent and important of these is circular No. 94, being a report of the Division of Horticultural Inspection. This report is a popular account of the orchard practices, together with a recital of some of the important orcharding incidents in Central and South Central Ohio. It includes description of the methods employed by some of the most successful orchardists of the State, outlines typical orchard problems and brings to the attention of the public some new strains of old varieties of grapes and apples.

Bulletin No. 204. This bulletin contains a survey of the natural forests and artificial plantings in parts of Central and Southern Ohio. It is interesting, showing what may be done in the way of adding to the forest wealth of the State, by planting those varieties which are adapted to its soil and climatic conditions.

EDITOR OF THE NATIONAL NURSERYMAN.

My dear Sir:

I appreciate the thoughtful suggestion contained in your esteemed favor of the 26th instant, and accept this opportunity of making my "official bow" to the membership of the American Association of Nurserymen through the medium of its "official organ."

In responding to your invitation let me say to the gentlemen whose servant I have become that it is not "in my line" to attempt oratorical flights. I am simply a plain, practical sort of fellow, who feels honored in being selected to succeed his friend Mr. Seager, and at the same time realizes that with the honor there comes also great responsibility.

In the untimely death of Mr. Ed. Seager I lost a warm, personal friend, one whom I greatly admired for the genuine manliness of the man. Whilst not the "official" appointee of your organization, he was nevertheless your secretary in fact—a courteous, conscientious, faithful servant. His passing away has necessitated the resignation of his brother, Mr. George C. Seager, whom he so long and efficiently represented, and I am impressed with the fact that in that representation he demonstrated a brotherly thoughtfulness and affection that I wish were more universal.

Gentlemen, members of the American Association of Nurserymen, I am a stranger to most of you although known to many. I know that I have a hard place to fill, even in the face of the fact that I am at the present time, and have been for the past twenty or more years the secretary-treasurer of a much larger horticultural organization in which service I have acquired a valuable experience. I pledge you my best efforts to maintain the record established by my predecessor, and earnestly ask for the cooperation and kindly consideration of your entire membership; and believe me, till we meet in Denver, in the month of roses' 1910.

Fraternally yours,

JOHN HALL, *Secretary.*

California Privet Fruit and Shade Trees  
Evergreens

SAMUEL C. DE COU

Moorestown, Burlington County, N. J.

## Easterly Nursery Co., CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

### FALL OF 1909

We will have our Usual Supply of Nursery Stock for Fall of 1909. Apple, Cherry, Peach, Pear, and Plum our Specialties. A good Stock of Shade Trees. Write for prices.

BUDS and SCIONS, we have our usual large Supply.

JOHN A. CANNEDY NURSERY & ORCHARD CO.  
CARROLLTON, ILL.

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FREDONIA, N. Y.

Successor to WHEELLOCK & CLARK

AT IT SEVENTEEN YEARS

For Fall 1909 and SPRING 1910

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CORRESPONDENCE SOLICITED

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No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

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### ALL NURSERYMEN SHOULD BE INTERESTED IN COMMERCIAL FERTILIZERS

The American Fertilizer is a monthly magazine, devoted exclusively to the fertilizer industry. Sample copy free.

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### THE AMERICAN FERTILIZER

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LARGE OR SMALL LOTS

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Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere  
Address,

PIONEER NURSERIES COMPANY,  
Salt Lake City, Utah.



## Catalogues Received

Leesley Brothers Nurseries, Peterson and North Fortieth Aves. Chicago, Ill. Wholesale catalogue for Fall 1909 of ornamental trees, weeping trees, fruits, small fruits, shrubs, climbing plants, seedlings, evergreens, hardy herbaceous plants.

Stark Bros. Nurseries and Orchards Co., Louisiana, Mo. Mail order price list of Fall 1909 and Spring, 1910.

Biltmore Nursery, Biltmore, Buncombe County, N. C. Wholesale trade-list for season of 1909-1910, of evergreens, deciduous trees, broad-leaved evergreen trees and shrubs, deciduous shrubs, vines, ornamental grasses and bamboos, hardy ferns, aquatic and bog plants and herbaceous perennials.

Glen Saint Mary Nurseries, Glen Saint Mary, Fla. Catalogue for 1910 of citrus fruits, oranges, kumquats, lemons, pomelo, limes, peaches, plums, pears, Japan persimmons, figs, pomegranates, mulberries, apples, guavas, quinces, loquat, grapes, pecans, Japan walnut, almonds, roses, shade trees, conifers, shrubs, and hedge plants, bamboos, grasses, etc., vines.

Joseph A. Manda, 190 Valley Road, West Orange, N. J. Catalogue of Orchids, for 1909.

The Elm City Nursery Co., New Haven, Conn. Card for autumn planting of shade trees, fruits, hedge plants, graceful shrubs, flowering vines, Holland bulbs, evergreens, herbaceous plants.

Frost Insecticide Co., Arlington, Mass. Outfit for orchards and truck farming.

G. P. Read, 199 Duane St., New York. Pamphlet on fruit package supplies.

Thomsen Chemical Company, Baltimore, Md. Booklet of insecticides and fungicides.

Oak Lawn Nursery, Huntsville, Ala. Price list folder of tulips, hyacinths and crocuses. Also price list of lilies, iris, amaryllis, peonies, cannas, tube roses, narcissus and daffodils.

Kelway's Manual of Horticulture, 1909-1910, 57th edition, from Kelway & Son, Langport, England. The manual is arranged in three sections. Section I is devoted to plants, Section II to seeds, Section III to bulbs. 342 pp., illustrated.

Bobbink & Atkins, nurserymen, florists and planters, Rutherford, N. J. Illustrated general catalogue of roses, evergreens, conifers, shrubs, deciduous ornamental and shade trees, hedge plants, vines and climbers, flowering bulbs, roots, decorative flowers and plants, fruits, hardy herbaceous plants.

Thomas Meehan & Sons, Inc., nurserymen and tree seedsmen, Germantown, Phila. Autumn, 1909 and Spring, 1910, prices list of tree, shrub and fruit seeds—evergreens, deciduous trees and shrubs, vines and climbers, fruits.

W. Wells & Co., Ltd., Merstham, Surrey, England. Descriptive catalogue for 1909 and 1910 of chrysanthemums, pentstemons, phlox, Michaelmas daisies, and hardy plants.

Rood Pecan Groves, Albany, Ga. Price list of budded and grafted pecan trees, almonds, English walnuts, Japanese walnuts, chestnuts, plums, quince, cherries, apricots, Japanese persimmon, pears, mulberries, nectarine, apples, peach, grapes, raspberries, dewberries, blackberries, strawberries.

Augustine & Co., nurserymen, Normal, Ill. Mailing card price list of shrubs, perennials, hedge plants, for fall planting.

Hiram T. Jones, Elizabeth, N. J. Catalogue of Union County Nurseries. This is one of the most attractive little pamphlets which has come to our desk. Well printed, pleasantly illustrated, containing accurate information, it typifies the best form of twentieth century catalogue.

### MINNESOTA STATE HORTICULTURAL SOCIETY

The 43d annual meeting of this society will be held in Minneapolis, December 7 to 10, 1909. The program includes addresses, discussions and demonstrations. President, Professor S. B. Green, St. Anthony Park; secretary, A. W. Latham, Minneapolis.

**FOR SALE--** Canadian Unbleached Hard Wood Ashes—Nature's own fertilizer. Car or ton lots. Write for price. GEORGE STEVENS, 104 Douro St., Peterborough, Ont. Can.

WE OFFER one year's subscription to the NATIONAL NURSERYMAN and one copy of Webster's New Illustrated Dictionary, 1,100 pages, limp leather binding, red edges, round corners, for \$2.50. The Dictionary is a condensed Encyclopedia, containing all the information required by the business man. This offer holds good on renewals or advance subscriptions. Dictionary itself retails at \$2.50.

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**Peach Seed, Currant, Gooseberry and Poplar Cuttings**  
State price and amount you can furnish

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**JAPANESE YEW** (*Taxus cuspidata brevifolia*) at wholesale and retail. The hardiest and most handsome of the Yew family. Stock all grown in New England.

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Try a small order of each for spring shipment!

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Wholesale Growers of

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**Tree Plants and Shrubs. No agents—we sell direct.**

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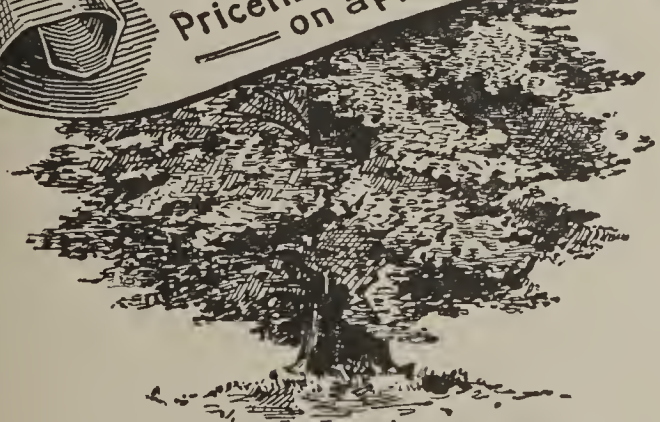
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Knows the importance of

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**PRICES:** In barrels and half barrels, 50c per gallon; 10 gallon cans, \$6.00; 5 gallon cans, \$3.25; 1 gallon cans, \$1.00.

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**The United States Nursery Co.**

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Grown for us at Rossville, Kansas on deep sandy soil. Famous for fine roots.

This Osage Hedge in Car Lots, cannot fail to please. BLACK LOCUST, RUSSIAN MULBERRY, HONEY LOCUST.

SPECIOSA CATALPA, Selected seed, guaranteed pure, our specialty for past ten years, grown by the million.

FANCY SHADE TREES CAR LOTS. Ash, Box Elder, Black Locust, Catalpa Speciosa, American White Elm, Soft or Silver Maple.

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(INCORPORATED)

J. MONCRIEF, Pres.

R. I. LEMON, Sec’y-Treas.

WINFIELD, KANSAS

**YOUNGERS & CO.**

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### APPLE TREES

Shade and Ornamental Trees

Russian Golden Willow

SEEDLINGS CATALPA SPECIOSA

HONEY LOCUST OSAGE ORANGE

Flowering Shrubs and Evergreens

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**Ornamental Trees**

∴ FLOWERING SHRUBS ∴  
APPLE AND PEAR SEEDLING  
∴ FOREST TREE SEEDLING ∴

ESTABLISHED 1868

**F. W. MENERAY**

**Crescent Nursery Co.**

COUNCIL BLUFFS, IOWA

We offer our large stock of PAEONIES at a special low price for Fall 1909 and Spring 1910. Also a large stock of Cherries, Plums, Pears, Gooseberries, Deciduous Trees and Ornamental Shrubs.

**SPECIAL ATTENTION**—Complete list to dealers in car-load lots.

Established 1780.

**Andre LeRoy Nurseries**

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

**SEASON, 1909**

FOR NURSERY STOCKS OF THEIR OWN  
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street ∴ ∴ New York City.





Everything in

## Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

### You Should Have Our Catalogue. Now Ready

**T**HIS CATALOGUE contains a vast assortment of the finest quality hardy ornamental Trees, Shrubs, Vines, Evergreens, etc., that is to be found on the market.

You should have a copy, and if you have not already received same, write at once and it will be mailed to you.

**JAPAN PEAR SEED.**—We will have a quantity of first class quality Japan Pear Seed, crop 1909, to offer this year. Write for prices.

**FRENCH PEAR SEED (For Fall Planting).**—For those desiring to plant Pear seed this Fall we can offer a limited quantity of one-year-old seed, which is in first class germinating condition. Write for prices and samples.

THOMAS MEEHAN & SONS (Inc.), Wholesale Nurserymen  
DRESHER, MONT., CO., PA.

## Immune Walnuts

### GRAFTED TREES ONLY

Seedlings are absolutely unreliable. Every Tree Guaranteed and Sold only with Our Label and Signature. **Mayette** and **Concord** sample nuts on request. Fine Stock. Trees up to 8 ft. and over.

*For further particulars address*

LEONARD COATES NURSERY CO., Inc.  
Morganhill, Calif.

## CHERRY TREES

An especially fine lot of one and two year Cherry, on which we can make attractive prices. They are especially well rooted, with clean, vigorous, well-branched tops; also

**California Privet**                      **Keiffer Pears**  
**Satsuma Oranges**   **Carolina Poplar**  
**Budded and Seedling Pecans**

— Write for Prices —

**Tennessee Wholesale Nurseries, Inc.**  
WINCHESTER, TENN.

Successors to J. C. Hale

AUBREY FRINK, Manager

## Budded Pecan Trees

Japan Persimmon, Japan Walnut,  
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

**THE GRIFFING BROS. CO.,**  
JACKSONVILLE, FLA.

## Trees That You Can Sell "On Honor"

Your professional reputation depends upon the trees you sell. An order of "named" trees that turn out to be something else will often do you untold injury. Doubtless you have often found it difficult to secure "true-named" specimens, which require to be grown in the South. But here is a satisfactory solution of this difficulty: Trees from

### Glen Saint Mary Nurseries

are true to name, and you can sell them "on honor." Our system of growing and grading, and the rigid test every variety gets in our Trial Orchards, keeps up a standard that few Nurseries can approach. Large orchards now in bearing throughout the South prove the excellent quality of our trees. Full particulars, Catalog and Wholesale Price List mailed on request.

Glen Saint Mary Nurseries Co., Glen St. Mary, Florida

## The New England Nurseries, Inc.

BEDFORD, MASS.

HIGH GRADE FRUIT AND ORNAMENTAL  
TREES, SHRUBS, ROSES AND  
HERBACEOUS PERENNIALS

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade-list on application.

## F. J. Grootendorst & Sons

BOSKOOP, HOLLAND

Azaleas, Rhododendrons, Clematis, Roses, Pot-grown  
Plants for forcing. Buxus, Conifers, Japanese  
Maples, Shrubs, Palms, Bulbs, Etc.

A postal brings our catalogue

LET US QUOTE PRICES ON YOUR LIST OF WANTS



## FOR FALL 1909

We have the largest and most complete assortment of Ornamental Trees, Shrubs and Herbaceous Plants we have ever grown. Also Tree Seedlings in large variety.

We have genuine Catalpa Speciosa and Black Locust in large quantities. You cannot afford to buy before getting our quotation, it will pay you.

Are now ready to quote you.

**The Willadean Nurseries**  
WARSAW, KENTUCKY.

## DREER SPECIALS

Hardy Perennials, Paeonies, Iris, Hardy and Tender Water Lilies and Aquatics, Hardy Vines and Climbers, Decorative Greenhouse Plants, Palms, Ferns, Ficus, Araucarias, etc.

Bay Trees and Trained Box Woods, Hardy Rhododendrons, Azaleas, etc.

Flower and Vegetable Seeds, Bulbs, Implements, etc.

Wholesale catalogue issued quarterly and sent to the trade only. Write for a copy.

**HENRY A. DREER, PHILADELPHIA, PA.**

## HARDY NEW ENGLAND GROWN NURSERY STOCK

**W**E grow a general assortment of Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc. Prices reasonable. Wholesale Trade List for the asking.  
**BAY STATE NURSERIES, North Abington, Mass.**

## Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

**JACKSON & PERKINS CO.**

NEWARK, N. Y.

**100,000**

## California Privet

EXTRA STOCKY PLANTS, 2 YEARS

They go quick at bargain prices.

**ARCADIA NURSERIES**

Monticello, Florida

## FINE TEXAS UMBRELLA

**GENUINE**  
with perfectly  
formed tops

**JOHN A. YOUNG**

Greensboro Nurseries

Greensboro N. Carolina

## FOR SALE

50,000,000 Strawberry Plants

ORDER NOW FOR FALL

I want every grower to investigate my new "Tennessee Favorite,"—The very best berry grown for the market,—size color, flavor and shipping qualities considered. Even in size throughout season. I picked and sold from one acre 4,456 quarts at a net profit of 11 cents a quart making a total profit of \$491.16 in the Spring of 1908. For the season of 1909 I shipped 194 crates per acre, which net \$2.52 per crate. To vouch for the truth of this statement, I refer anyone to M. Fugazzi & Co., Cincinnati, Ohio, who handled these shipments.

In my thirty years' experience I have found nothing quite its equal. Does best in low, strong land. Try them. Other varieties, Aromas, Klondyke, Lady Thompson, Excelsior.

A. HORN, R. F. D. 3, Soddy, Tenn.

## LABELS for NURSERYMEN

Plain or  
Printed

**The Benjamin Chase Co** Derry Village, N.H.

**Ben Davis**



# ORNAMENTAL STOCKS

**NURSERIES**  
**420 ACRES**

## WE GROW

FRUIT TREE STOCKS—All Sizes.  
300 varieties of Conifers, 1 to 4 years old.  
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.  
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.  
250 varieties of Climbing Plants.  
400 varieties of Conifers, 1 to 4 feet high.  
400 varieties of Perennials.  
800 varieties of New and Old Roses.

We Have No Agents.  
Write direct to us and  
ask for **WHOLESALE**  
**CATALOGUES**

16 Route d'Olivet

TRANSON BROS. & D. DAUVESSE'S NURSERIES,  
**BARBIER and CO., Successors,**

Orleans, France

## FRITSCH & BECKER

WHOLESALE SEEDSMEN

at GROSSTABARZ, Thuringia, GERMANY

are prepared to accept contracts on the following  
Specialties for

**DELIVERY FALL 1909**

FRESH SEEDS of MULBERRY, WILD CHERRY,  
MAHALEB CHERRY, PLUM, QUINCE, APPLE,  
PEAR, DOG ROSE, BLACK AND HONEY  
LOCUST and many other sorts.

Price List on application

WANTED: American Evergreen Tree Seeds  
Offers will oblige

## Vincennes Nurseries

W. C. REED, Prop., - VINCENNES, IND.

### OFFER FOR FALL 1909

Cherry 2 Year in Car Lots

Cherry 1 Year in Car Lots

Our Cherry promises very fine both in 1 and 2 year.  
Also general line of other Nursery Stock.

Cherry Buds to offer in any quantity in season ready  
to cut July 1st.

## FAIRFIELD NURSERIES

FRUIT AND SEED FARMS

*OFFER for Fall 1909 and Spring 1910*

GRAPE VINES—One and two years old. Varieties  
largely Moore's Early, Concord and Niagara.

Also Scarlet or Crimson Clover Seed and Cow Peas.  
Free from weed seeds, all re-cleaned and guaranteed  
first class.

Correspondence solicited. Price list upon request.

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P. O. Address, Salisbury, Wicomico County, Md., R. F. C. 3  
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Angers, France

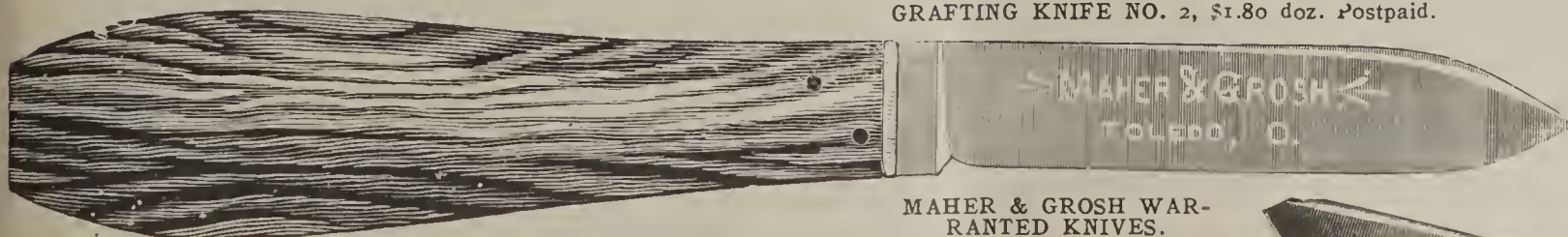
Wholesale Grower and Exporter of Fruit-Tree  
Stocks, Forest-Tree Seedlings, Rose Stocks,  
Shrubs, and Conifers for Nursery Planting.

Write for special price-list and catalogue.

**W. TAAT, Sta. A., YONKERS, N. Y.**

Sole Agent for the United States and Canada.

GRAFTING KNIFE NO. 2, \$1.80 doz. Postpaid.



MAHER & GROSH WAR-  
RANTED KNIVES.

FLORISTS' KNIFE

White Handle

No. 89

50c. postpaid

Pocket Grafting Knives, 30, 40 and 50c. each. Nursery Pruner, 50c. postpaid. Nursery Budder, 25c. postpaid. Pocket Budder, 35c. postpaid.

The FLORIST KNIFE—No. 89, as shown, 50c.; 6 for \$2.50. No. 89 1/2 has  
grafting point blade, same price. These blades are equal to any razor in  
fineness.

Send for 12 page Nursery Tool Catalogue.

MAHER & GROSH CO., 90 A St., TOLEDO, OHIO

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# FRENCH NURSERY STOCKS

Louis Leroy's Nurseries Co. (Established in 1795) LUCIEN LEVAVASSEUR, Director  
ANGERS, FRANCE.

GROWERS { Pear, Apple, Mahaleb, Mazzard, Myrobolan, Angers Quince } BEST GRADING  
— and — { Forest Tree, Seedlings and Transplanted. Evergreens, Orna- }  
EXPORTERS OF { mentals, Shrubs, Manetti, Multiflora, Roses, and a com- } PACKING  
plete line of Ornamental Stocks.

EXPORTS EXCEED 25,000,000 STOCKS ANNUALLY.

For Wholesale Catalogues and Special Quotations, address us direct; or  
H. FRANK DARROW, Our Sole American Agent, NEW YORK CITY.  
26 BARCLAY STREET. P. O. Box 1250

## F. H. STANNARD & CO. The Ottawa Star Nurseries OTTAWA, KANSAS

APPLE TREES, assorted, all grades.  
CHERRY TREES, assorted, all grades.  
PEAR TREES, assorted, all grades.  
GRAPE VINES, assorted.

A large and complete assortment of Shade Trees  
APPLE AND FOREST TREE SEEDLINGS

We call special attention to our  
CATALPA SPECIOSA SEEDLINGS

## Fumigation with Hydrocyanic Acid Gas Generated From Cyanide <sup>98%</sup>/<sub>99%</sub>

Is the only positive eradicator of San Jose  
Scale and other Insect Pests. Endorsed  
by all agricultural experiment stations.

Manufactured by  
The Roessler & Hasslacher Chemical Co.  
100 WILLIAM ST., NEW YORK

## 35TH YEAR Pan Handle Nurseries

WE OFFER A COMPLETE ASSORTMENT OF NURSERY  
STOCK CONSISTING OF

Apple	Poplar Carolina	Ampelopsis
Pear	Poplar Volga	Roses
Plum	Elm American	Evergreens
Cherry	Sycamores	California Privet
Peach	Mountain Ash	Buxus
Grape	Althea	Weeping Trees
Currant	Hydrangea	Catalpa Seedlings
Gooseberry	Barberries	Black Locust "
Small Fruits	Syringeas	Fruit Tree "
Maple Norway	Clematis	Catalpa Speciosa Seed.
Maple Schwedlers	Honey Suckle	Etc., Etc., Etc.
Maple Silver	Wistaria	

Our stock is well grown and graded. Prices are such that it will pay to  
investigate. Come and see us or write.

**J. K. HENBY & SON**  
GREENFIELD, IND.

## For Fall 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from  
buyers of June Budded peach, plum and apricot. We will bud especially  
to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

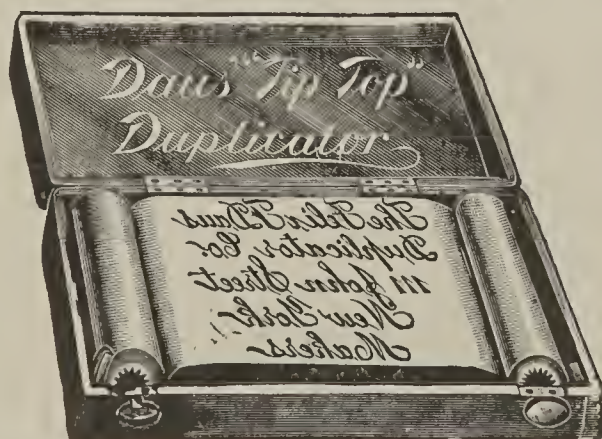
MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

**Fraser Nursery Company**  
Incorporated HUNTSVILLE, ALABAMA



## Don't Take Our Word!

### TRY IT YOURSELF FOR 10 DAYS WITHOUT DEPOSIT

If not satisfactory, simply return it and no questions asked.

The Daus Improved Tip Top Duplicator is the result of 25 years' experience and  
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Clean, Perfect.

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FELIX A. G. DAUS DUPLICATOR CO., Daus Bldg., 111 John St., New York



# PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobolan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

## "Foundations of American Grape Culture"

By T. V. MUNSON

America's greatest grape authority.

"It easily surpasses anything that has been done on grapes in America to date."—C. L. Yates.

252 pages, 7 1/2 by 10 inches, 90 full page half-tone engravings. Heavy glazed paper. Buckram binding, embossed in gold leaf letters.

Sent post or express free for \$3.00, by

T. V. MUNSON & SON, Publishers, Denison, Texas

## C. S. Harrison's Select Nursery

YORK, NEBRASKA

has one of the finest collections of  
EVERGREENS, ORNAMENTALS, PEONIES and  
PERENNIALS in all the West.

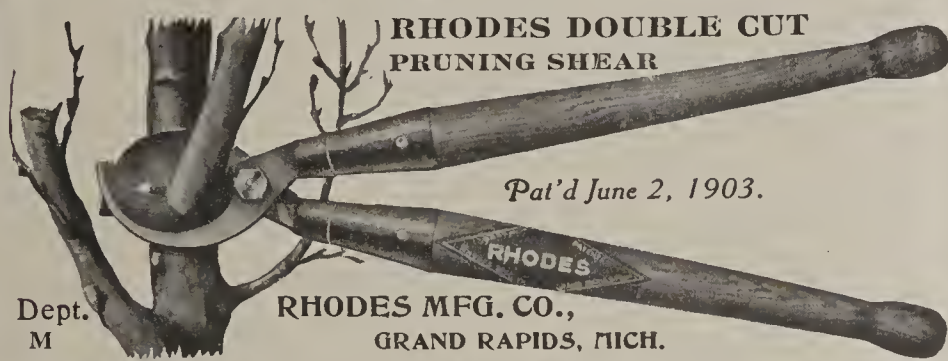
### SPECIALTIES

Rocky Mt. Conifer Seeds

Norway Poplar Cuttings

Manuals on the Peony

Phlox, Iris and Evergreens, 25 cents each in stamps.



The only Pruner made that cuts from both  
sides of the limb and does not  
bruise the bark.

MADE IN ALL STYLES AND SIZES

We pay Express charges on all orders.

Write for circular and prices.

## W. T. HOOD & CO.,

Old Dominion Nurseries

RICHMOND, VA.

### Specialties for Fall 1909

Japan Pear Seedlings; California Privet---Fine Plants.

#### Special Inducements in Carload Lots

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2 yr., Champion, Orange, Meeches & Reas, exceptionally fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

GENERAL LINE OF NURSERY STOCK

Correspondence Invited.

## WAXAHACHIE NURSERY COMPANY

OFFERS IN SURPLUS

Peach, Plum and Apricot, dormant bud.

Especially 3/4, 2/3 and 1/2 foot.

Cherry, leading sour, in grades up to 5/8 inch.

Pear, 2 year buds, all grades.

Evergreens, Roses, Shade Trees, Vines, California Privets, etc., etc.

Send us your want list TO-DAY.

Waxahachie Nursery Co., Waxahachie, Texas

### JAPANESE BAMBOO CANES

FOR DELIVERY JANUARY TO MARCH, 1910.	12 Feet Long	Per 100	Per 500	Per 1,000	Per 5,000	BOOK YOUR ORDER EARLY.
	14 " "	\$2 70	\$13 00	\$25 00	\$120 00	
	14 " "	3 70	17 50	34 00	160 00	
	16 " "	5 30	25 00	49 00	230 00	

STUMPP & WALTER CO., 50 BARCLAY STREET, NEW YORK.

Renew your subscription to the NATIONAL NURSERYMAN promptly and  
avoid unnecessary bother.

## LEVAVASSEUR & SONS, Nurseries at Ussy and Orleans, FRANCE

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, etc. Best Grading Quality, and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Orders booked now for delivery for season of 1910. Compare prices quoted in last Trade list. For catalogues and price list address us or our

American Agents, AUGUST RÖLKER & SONS, New York, 31 Barclay Street or P. O. Box 752.



# Gulf Coast Nursery

E. S. STOCKWELL & SON, Props.

Established 1889.

Extensive Growers of Latuma  
Orange and Magnolia Fig Trees

## General Nursery Stock

Everything for the Southern  
Home and Orchard

We have been testing trees and plants in the Coast Country for the past twenty years, and offer only what we know from experience to be a success. We have a large bearing orchard, and cut our propagating wood only from selected trees in this bearing orchard.

ALL OUR TREES HAVE BEEN TRANSPLANTED  
AND HAVE A GOOD ROOT SYSTEM.  
CATALOGUE FREE.

ALVIN, TEXAS

# Evergreen Tree Seeds

Native seed of our own collection

American Agents for Conrad Appel

Well cleaned.

High germination per cent.

Fresh crop.

Prices right.

Address

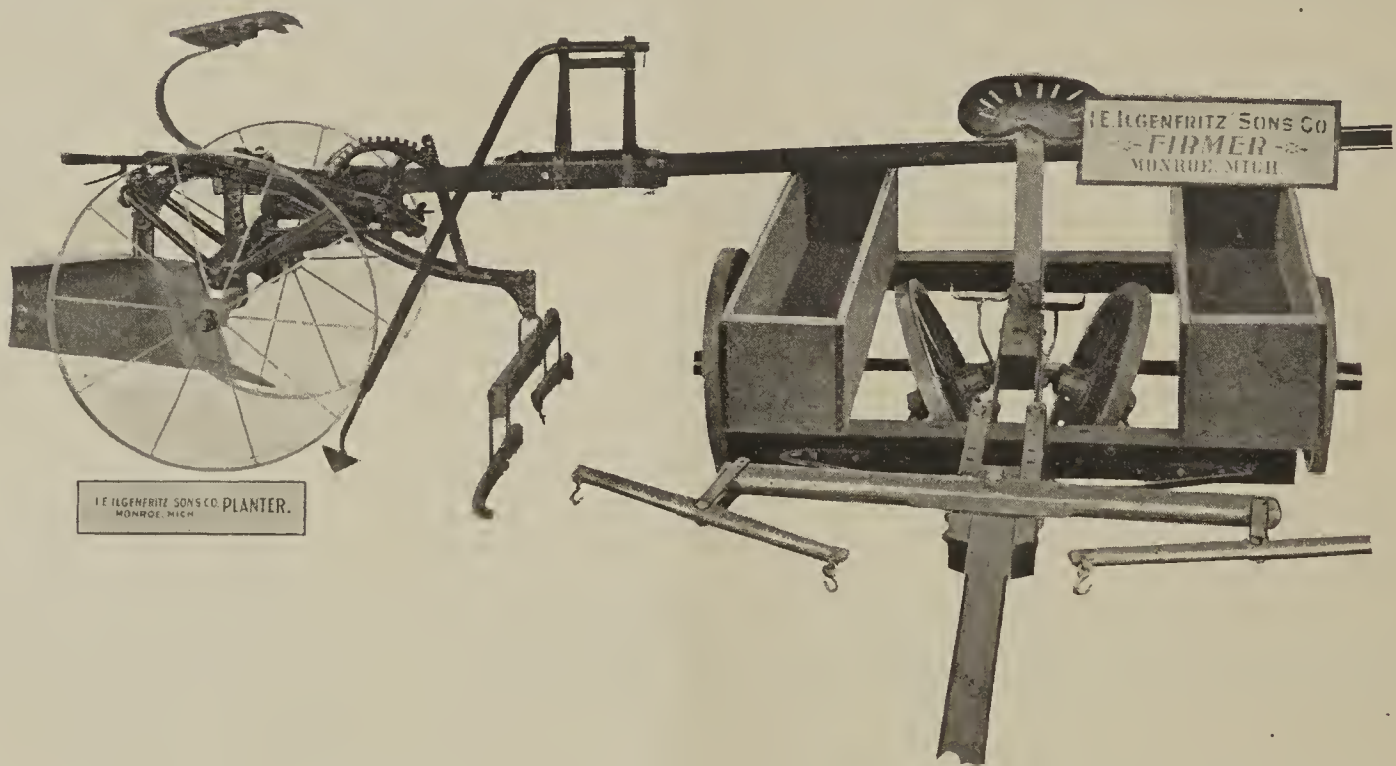
The North-Eastern Forestry Co.

New Haven, Conn.

I. E. Ilgenfritz' Sons Company

# PLANTER AND FIRMER

Great  
Labor  
and  
Time  
Saving  
Devices  
for  
Nursery-  
men



Better  
and  
More  
Uniform  
Stands  
of  
Stocks,  
Grafts,  
Cuttings  
Etc.  
At Less  
Cost

Write for descriptive circular, with testimonials from Leading Nurserymen of 17 states of the Union. If they can't get along without them, can you?

Take this matter up AT ONCE. Have machines for spring planting  
I. E. ILGENFRITZ' SONS CO., The Monroe Nursery, Monroe Mich.

(See our other Ad. this paper.)

When writing to Advertisers, mention The National Nurseryman.





# THE NATIONAL NURSERYMAN



FEBRUARY, 1909

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

## The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

## Choice Nursery Stock

PEACH, STD. PEAR,  
PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

## EVERGREENS

## OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE  
PINES, BOX BUSH. A general collection  
of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA  
PRIVET, SPIRAEA VAN HOUTTEI  
by the thousand.

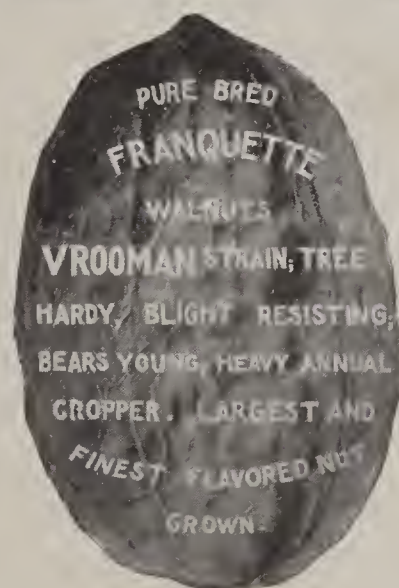
Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

## Buy Franquette Walnut Trees

Our Fran-  
quette Wal-  
nut trees pro-  
duce the kind  
of nuts you  
saw and we  
hope sampled  
at the Detroit  
Convention.



Our Fran-  
quette Wal-  
nut trees are  
the famous  
pure bred  
Vrooman  
strain of  
which we are  
the exclusive  
growers. Send  
for free book-  
let about  
same.

Address.

Oregon Nursery Co., SALEM, ORE.

## Hardy Varieties ~ Northern Grown

*We offer the following Stock, different sizes:*

Plums, 5-7 ft. and 4-5 ft. Americanas. On plum roots.  
25 varieties. Very fine.  
Compass Cherry Plum, 5-7 ft. and 4-5 feet.  
Small Fruits. In assortment: Currants, Blackberries, Black  
Raspberries, Grapes. Asparagus, 2 yr.  
Shade Trees: Different Sizes: Ash, Box Elder, Black Walnut,  
Birch, C. L., Butternut, Kentucky Coffee Tree, Hack-  
berry, Lombardy Poplar, Soft Maple, etc.  
Seedlings. Ash, Box Elder, Elm, Black Walnut, Soft Maple,  
Golden Willow, etc.  
Evergreens. Twelve varieties, different sizes.  
Shrubs. Seventy-five varieties, different sizes.  
Vines. Twelve varieties.  
Herbaceous. One hundred fifty varieties.  
Roses: Climbers, H. P. and Rugosas.  
Apple Trees. A few varieties and sizes in limited quantity.

SEND LIST OF WANTS EARLY.

The Jewell Nursery Co.

Lake City, Minnesota

1200 Acres

Established 1868



# Maple Avenue Nurseries

*We wish to call the attention of the Trade to our large stock of Ornamentals, especially:*

American Ash, Catalpa Bungeii, English, Mossy-Cup, Pin, Red, Scarlet and White Oaks, Sweet Gum.

ORIENTAL PLANES,—one year from cuttings, fine, from one to three feet for planting in nursery rows.

A large assortment of Evergreens in all sizes. Our usual fine assortment of Shrubs.

Strong Everblooming Roses from four inch pots, our new Christine Wright, a beautiful pink climber.

NORTH CAROLINA NATURAL PEACH SEED  
Send for samples and price

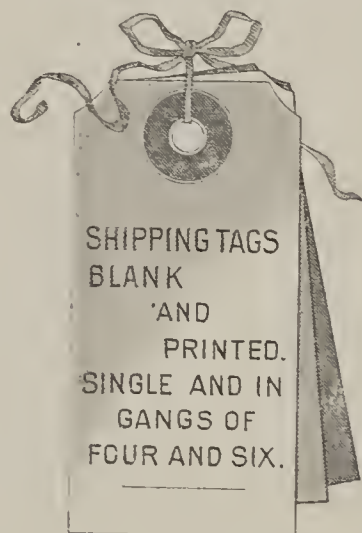
S E N D F O R T R A D E L I S T

**Hoopes, Bro. & Thomas Company**

WEST CHESTER, PENNA.

Philadelphia Office, 222-3-4-5 Stephen Girard Bldg., 21 South Twelfth St

**H**AVE you seen and examined the quality of our waterproof rawhide shipping tags and tree labels? This stock is



especially adapted to hard usage and outside use. "Once used, always used." Send for samples and prices. Our refer-

ences are the largest Nurserymen in the United States.

**The Denney Tag Co.**

WEST CHESTER, PA.

## Wholesale Only

The "Faction" we believe in is SATISFACTION—the kind that scores at both ends—yours, as well as ours. In the fields, and through the seasons, in the grading piles, and through the packing house, WE WORK FOR THAT FACTION!

You will not call us a "cut price" concern; none of that ambition here. People don't PLANT the "prices." QUALITY FIRST—and as high as we're able—then, prices within reach and reason—that's the way we look at it.

Of course, by Feb'y 1st some lines are sold out, but we still have an O. K. stock of many—and maybe just what you want.

In Light Peach, both One-Year and June Buds, nice little trees, magnificent roots, trees that will pass muster anywhere, we have the following in grades:

3 TO 4 FEET  
2 TO 3 FEET  
18 TO 24 INCHES  
12 TO 18 INCHES

Belle of Georgia	Greensboro
Captain Ede	Mayflower
Carman	Mountain Rose
Chairs Choice	Salway
Crawford's Early	Sneed
Crawford's Late	Stump the World
Crosby	Triumph
Elberta	Waddell

And many other things.

Please send your Want List. Correspondence gets immediate, personal attention.

**CHASE NURSERY COMPANY**

HUNTSVILLE, ALABAMA

## Wholesale Only

### B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.

WEeping BLUE SPRUCE. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.

ROSES, Hybrid Perpetual and Hybrid Tea varieties.

CONIFERS and EVERGREENS, 150 varieties.

RHODODENDRONS, Hardy Hybrid and Maxima, 50 varieties.

EVERGREEN SHRUBS, 35 varieties.

FLOWERING SHRUBS, 350 varieties.

JAPANESE MAPLES, 25 varieties.

ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.

WEeping and STANDARD DECIDUOUS TREES, 50 varieties.

HEDGE PLANTS, 25 kinds.

HARDY VINES and CLIMBERS, 75 varieties.

PLANTS and TRAILING VINES, 12 varieties.

SPRING and SUMMER FLOWERING ROOTS and BULBS, 250 varieties.

DECORATIVE and FLOWERING PLANTS, 50 varieties.

TRAINED and OTHER FRUIT TREES. We can supply in any quantity and in all varieties: Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.

SMALL FRUITS, 75 varieties.

NEW and RARE TREES, SHRUBS and EVERGREENS, 35 varieties.

MISCELLANEOUS NEW and RARE PLANTS and VINES, 25 varieties.

HARDY HERBACEOUS PLANTS (Old Fashioned Flowers) 1,000 varieties.

NEW and RARE CHOICE HARDY PERENNIALS, 65 varieties.

ORNAMENTAL GRASSES, 30 varieties.

HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG

VISIT NURSERIES

**BOBBINK & ATKINS,**

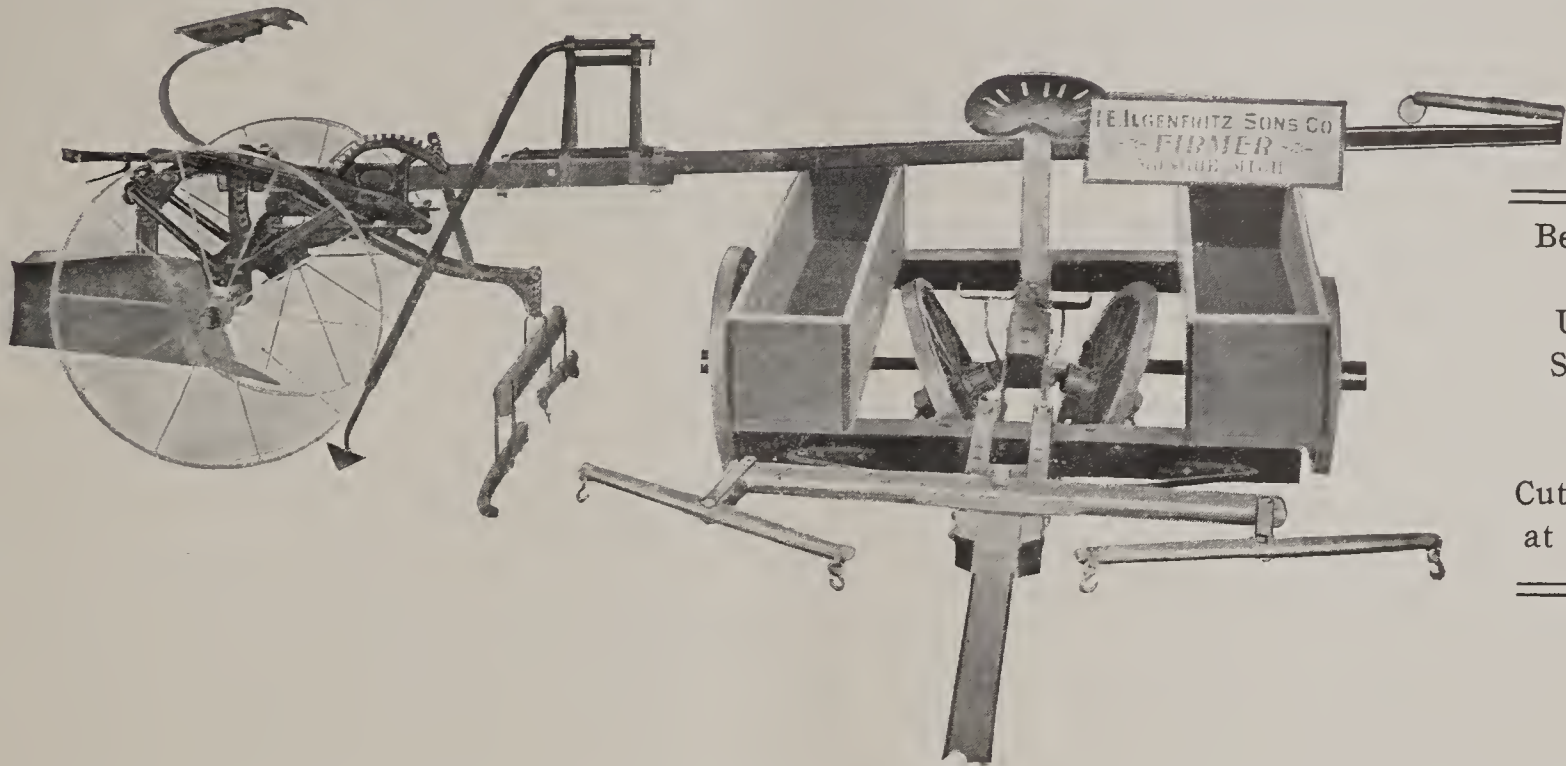
NURSERYMEN AND FLORISTS,

RUTHERFORD, N. J.



# I. E. ILGENFRITZ' SONS COMPANY PLANTER AND FIRMER

Great Labor  
and  
Time  
Saving  
Devices  
for  
Nurserymen



Better and  
More  
Uniform  
Stands of  
Stocks,  
Grafts,  
Cuttings, Etc.  
at Less Cost.

Write for descriptive Circular, with testimonials from Leading Nurserymen of 17 States of the Union. If they can't get along without them, can *YOU*? Take this matter up at once. Have Machines for Spring Planting.

I. E. ILGENFRITZ' SONS CO. The Monroe Nursery, Monroe, Mich.

(SEE OUR OTHER AD. THIS PAPER.)

## Mount Arbor Nurseries

—FOR SPRING, 1909—

We Offer One of the Most Complete Assortments of  
Nursery Stocks in the Country

APPLE  
CHERRY  
PLUM

Shade and  
Ornamental Trees

SHRUBS  
VINES

A Large Supply of  
**Fruit Tree Stocks**

Over 400,000  
**Osage Orange**

Several Thousand  
**Walnut Seedlings**

The Largest Assortment of  
**ROSES**  
carried in the WEST

**PAEONIAS**  
named sorts.

**PHLOX**  
leading varieties.

**DAHLIAS**  
**GLADIOLUS**  
**LILIES**  
in good supply.

W A N T L I S T S P R I C E D P R O M P T L Y

We have the best MODERN STORAGE BUILDING for CONTROLLING TEMPERATURE, thus enabling us to keep Stock in Dormant Condition, of any one in the United States.

E. S. WELCH, Proprietor : : : Shenandoah, Iowa



# HARRISON'S SURPLUS STOCK

Here's what we had on December 19th. The stuff was going rapidly at that time, however, and the prices we now make will give it even more of a "move on."

## ORDER NOW IF YOU WANT THESE !

They say there's a shortage of good, young stock in many sections, owing to last summer's continued drouth. This will add to the demand for our stuff, and when these quotations get around we expect the surplus will be closed out in "Please Deliver Quick" order.

### PEACH TREES.

	6-7 ft. 1 in. up.	5-7 ft. 3/4 in.	4-6 ft. 1/2 in.	4-5 ft. 1/2 in.	3-4 ft. 1/2 in.	2-3 ft. 1/2 in.	1-2 ft. 1/2 in.
Beer Smock		900	310		4400	2000	1600
Belle of Georgia	460	2890	3860	2910	4560	4610	2550
Bray's R. R.		220	400	200	190	240	
Champion		500					
Carman	1500	2500	3000	2000	1000	1000	500
Connet So. Ey.	30	140	120	30	30		
Crawford Late	1500	8000	11500	3000	3000	8000	7000
Crosbey	200	620	660	800	770	550	300
Chair's Choice		1600	400	200	350	120	100
Elberta	100	100	100	100	100	12000	8000
Engle Mammoth	140	330	270	300	230	1320	
Fox Seedling					2000	1500	1500
Frances	10	30	1100	950	900	540	225
Fitzgerald		50	30	50	10	20	20
Greensboro	50	200	200	100	500	1290	800
Geary's Holdon	300	1950	2730	590	1190	2040	425
Hieley (Early Belle)		400	680	680	250	210	
Kalamazoo	220	600	630	340	150	320	50
Lemon Free		350	380	80	60	70	50
Mayflower	100	200	300	300	300	200	100
Mamie Ross	30	340	390	190	80	160	
Mt. Rose	50	1100	1200	500	1000	1600	800
Moore's Favorite	245	860	1470	1260	1140	600	225
Old Mixon	100	500	500	700	950	1600	
Reeve's Favorite	500	2120	2000	1580	1550	1200	950
Salway	2800	3500	3000	2000	1000	1200	1200
Stump	200	500	500	500	500	500	200
Stephen's R. R.	300	500	500	500	500	500	500
Waddell		40	200	100		240	
Wonderful	120	730	1660	890	880	800	300

### PLUM TREES.

	1 in. up.	3/4 in.	5/8 in.	1/2 in.	3-4 ft.
Abundance	100	100			
Burbank	1000	500			
Lombard		100			
Red June	200	3000	3000	2000	2000
Shropshire Damson		500	500	100	
Yellow Egg			50		
York State Prune			50		

### CHERRY TREES.

	3/4 in.	5/8 in.	1/2 in.	3-4 ft.
Baldwin		100	500	400
Black Tartarian		700	700	100
Dyehouse		100	500	800
Early Richmond		500	3000	3500
Gov. Wood		100	300	100
Montmorency		500	3000	3000
Schmidt		100	100	50
Windsor		100	300	50

### SURPLUS APPLE TREES.

	1 in. and up.	3/4 in.	5/8 in.	1/2 in.	3-4 ft.
Aiken Red				60	40
Ben Davis		1000	3000	2460	1590
Carthouse			50	50	30
Canada Red				230	100
Bismarck				100	130
Dutchess			500	300	470
Early Harvest				500	710
Flora Belle			130	100	40
Grimes Golden	100	2000	1000	1320	1000
Gravenstein				200	100
Golden Beauty	50	50	50	50	50
Lankford Seedling			50	20	60
Longfield			50	50	60
M. B. Twig	400	1370	1240	450	290
Nero			300	1500	750
Paradise W. S.			50	50	40
Roman Stem			50	130	
Rolfe			20	20	10
Red Astrachan			500	500	150
Stayman's Winesap			500	3800	2100
Sweet Bough			100	100	70
Stark			500	220	80
Salome			100	100	130
Transcendent	50	50	900	490	260
Virginia Beauty		400	360	220	140
Walbridge		100	50	150	120
Wealthy			200	200	200
Wolf River			300	690	340
Winesap		6000	500	1100	2000
Yellow Transparent			1000	1470	1400

### ONE YEAR APPLE TREES.

	4-5 ft.	3-4 ft.
Ben Davis	18000	7000
Stayman's Winesap	3000	
York Imperial	9000	1980

Twenty-five other varieties of apple like Baldwin, Jonathan, Grimes, Golden, Nero, Winesap, Yellow Transparent, Stark, Red Astrachan, etc.

### GRAPE VINES, ONE YEAR.

#### NUMBER ONE.

Concord	20,000
Delaware	1,000
Moore's Early	10,000
Niagara	1,000
Wyoming	500

### PEAR TREES.

	1 in. up	3/4 in.	5/8 in.	1/2 in.	3-4 ft.	2-3 ft.
Bartlett		1000	100	1800	1200	700
Clapps' Favorite		100	800	400	100	50
Dutchess		200	200			
Flemish Beauty			300	200	200	
Garber		300	800	300	300	300
Koontz		100				
Lawrence			100			
LeConte			1000	1000	500	500
Manning's Eliz			50	400	300	200
Seckel		100	1200	500		
Worden Seckel			100			
Kieffer	1000	17500	12500	4500	4000	1000

### CURRANTS.

Cherry, 2 year, No. 1	500
North Star, 2 year, No. 1	500
Red Dutch, 2 year, No. 1	500
Victoria, 2 year, No. 1	500
Wilder, 1 year, No. 1	2000

### QUINCE.

	3-5 ft.
Champion	300
Orange	500

### STRAWBERRY PLANTS.

#### FROM NEW BEDS.—WELL ROOTED.

Aroma	25,000	Nick Ohmer	90,000
Auto	75,000	Oak's Early	90,000
Beder Wood	25,000	Gandy	900,000
Brandywine	25,000	Gladstone	25,000
Bubach	25,000	Glen Mary	75,000
Bismarck	50,000	Haverland	185,000
Chesapeake	25,000	Johnson's Early	50,000
Crimson Cluster	50,000	Kansas	30,000
Clyde	10,000	Klondike	500,000
Crescent	50,000	King Philip	25,000
Dayton	25,000	Parsons	150,000
Early Hathaway	160,000	Rough Rider	30,000
Lady Thompson	25,000	Sample	30,000
Midnight	50,000	Stephen's L. Champion	125,000
Marshall	125,000	Senator Dunlap	125,000
Michell's Early	60,000	Tennessee Prolific	50,000
McKinley	5,000	Tilghman's Favorite	50,000
Mark Hanna	75,000	Virginia Beauty	25,000
New Home	30,000	Warfield	300,000
New York	50,000	Wolverton	25,000

### ORNAMENTALS.

	4-5 ft.	3-4 ft.	2-3 ft.	18-24 in.	12-18 in
California Privet	1,000	12,000	25,000	35,000	8,000

#### DECIDUOUS TREES.

Carolina Poplars, 1 in., 8 to 10 ft	1000
Silver Maples, 8 to 10 ft., 10 to 12 ft	5000
Mulberries, 5 to 6 ft., 6 to 8 ft., 8 to 10 ft	5000
American Elm, 8 to 10 ft	500

#### EVERGREENS.

Bay Trees, 3 ft. stem, 28 inches head	50
Siberian Arbor Vitae, 2 to 3 ft., 3 to 4 ft	5000
Norway Spruce, 2 to 3 ft., 3 to 4 ft	8000
Juniperus virg. glauca, 5 to 6 ft	400
Hemlock Spruce, 2 to 3 ft	100
Retinospora, dwarf, 2 ft	50
Retinospora, std., 4 to 5 ft	50

#### FLOWERING SHRUBS.

Baby Rambler Roses, 2 years old	500
---------------------------------	-----

**J. G. HARRISON & SONS,**

**BERLIN, MARYLAND**



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U. S. Department of Agriculture



# THE NATIONAL NURSERYMAN



MARCH, 1909

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

## The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

## Choice Nursery Stock

PEACH, STD. PEAR,  
PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

## EVERGREENS

### OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE  
PINES, BOX BUSH. A general collection  
of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA  
PRIVET, SPIRAEA VAN HOUTTEI  
by the thousand.

Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

## OREGON GROWN

# ROSES

## OWN ROOTS

Baltimore Belle    Crimson Rambler  
Dorothy Perkins    Seven Sisters  
Queen of the Prairie

## CUT-LEAF WEEPING BIRCH

Carload Rates Through to Chicago.    Prices Right.

Oregon Nursery Co.,    SALEM,  
ORE.

## Hardy Varieties ~ Northern Grown

*We offer the following Stock, different sizes:*

Plums, 5-7 ft. and 4-5 ft. Americanas. On plum roots.  
25 varieties. Very fine.  
Compass Cherry Plum, 5-7 ft. and 4-5 feet.  
Small Fruits. In assortment: Currants, Blackberries, Black  
Raspberries, Grapes. Asparagus, 2 yr.  
Shade Trees: Different Sizes: Ash, Box Elder, Black Walnut,  
Birch, C. L., Butternut, Kentucky Coffee Tree, Hack-  
berry, Lombardy Poplar, Soft Maple, etc.  
Seedlings. Ash, Box Elder, Elm, Black Walnut, Soft Maple,  
Golden Willow, etc.  
Evergreens. Twelve varieties, different sizes.  
Shrubs. Seventy-five varieties, different sizes.  
Vines. Twelve varieties.  
Herbaceous. One hundred fifty varieties.  
Roses: Climbers, H. P. and Rugosas.  
Apple Trees. A few varieties and sizes in limited quantity.

SEND LIST OF WANTS EARLY.

The Jewell Nursery Co.

Lake City, Minnesota

2200 Acres

Established 1868



**For Sale or Exchange.** 2,000 undivided, field grown, Double, Mixed Dahlia Clumps. Not a poor one in the lot. Just what you want for counter trade or agency sales. Cheap for cash or will exchange for roses, shrubs and hardy herbaceous plants.

D. W. BABCOCK,  
Box 222, BERLIN, MD.

## Surplus Stock for Spring 1909

VIBURNUM PLICATUM, or Japan Snowball  
AMERICAN ARBOR VITAE, 3 and 4 ft.  
KIEFFER PEARS, First cl.

The Viburnums and Arbor Vitae have been root pruned and therefore transplant with better success.

THE MORRIS NURSERY CO., West Chester, Chester Co., PA.

## KEROSENE EMULSION EASILY MADE IN COLD WATER WITH TAK-A-NAP Soft Naphtha Soap

OR SOLUBLE OIL

Write for Sample. THAYER-HOVEY SOAP CO., DARBY, PA.

WANTED—200 Viburnum  
Seiboldii, 4 to 5 feet, extra strong  
plants.

STUMP & WALTER CO.

50 BARCLAY ST., NEW YORK

THE BEST and CHEAPEST. UNIVERSALLY ADMIRER.

# NATIONAL BERRY BOX

IN ALL  
STYLES

The IDEAL  
IN  
REALITY



Patented Nov. 17, 1903.



O skinned fruit; no nailing; no mildew; no warping; no splitting; no waste; no loss. A fruit preserver, folded in an instant. A clean, glossy, substantial package, aiding in the sale of fruits.

Made from **Smooth Paper Stock**, coated on both sides with **odorless** and **tasteless** best parafine wax.

**First Year's Results:**

**Sales in 29 States and communication  
with 44 States of the Union.**

LESLIE STYLE GREATLY IMPROVED—double reinforced on bottom edge, which gives also EXTRA support for bottom on all sides. Folded-up sample sent on receipt of ten cents

WRITE FOR CIRCULARS AND PRICE-LIST AND READ UNSOLICITED TESTIMONIALS.

## NATIONAL PAPER BOX CO.

KANSAS CITY, MISSOURI.

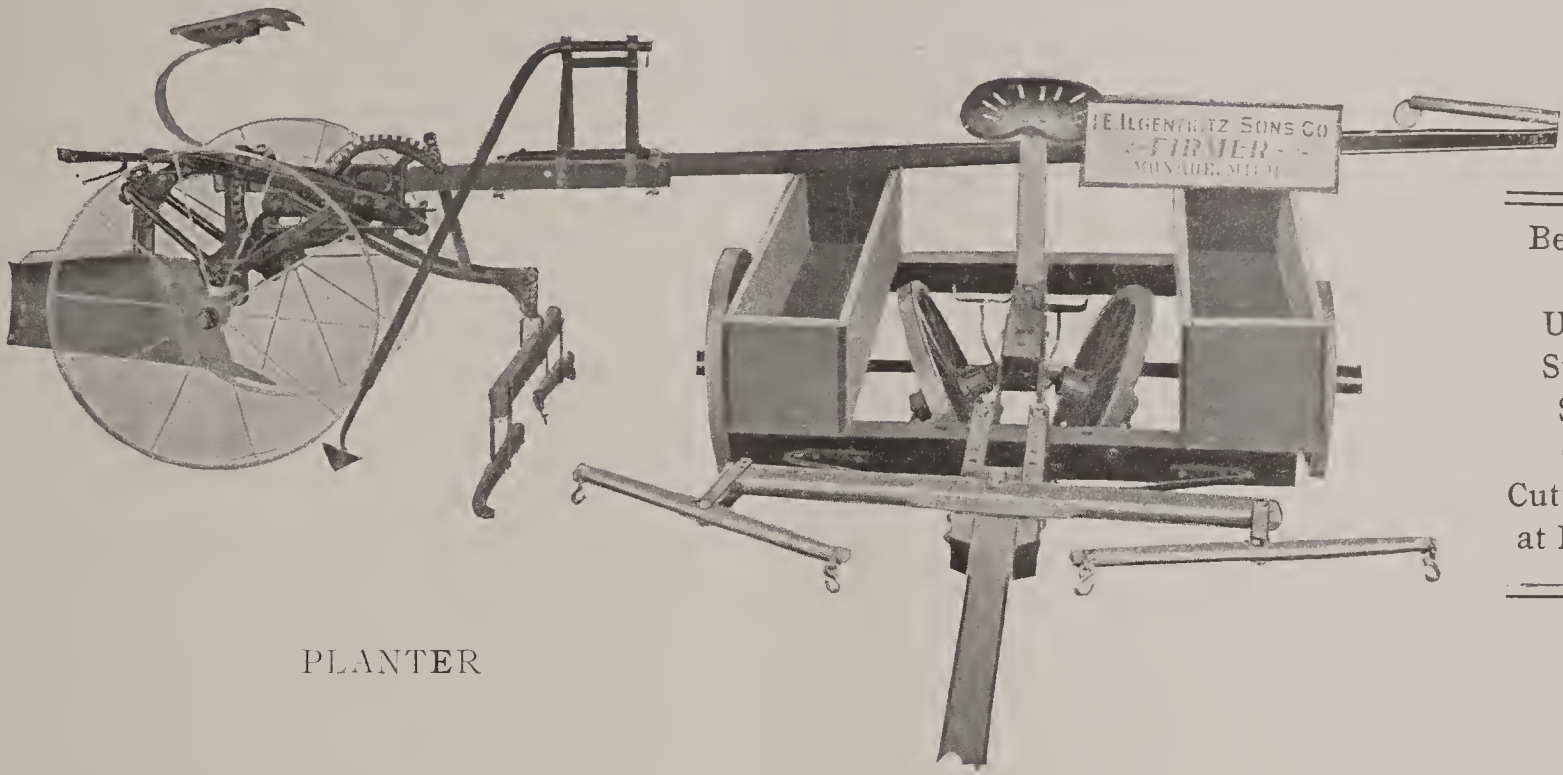
Upon receipt of 10c we will mail any style of box.

When writing to Advertisers mention the National Nurseryman.



# I. E. ILGENFRITZ' SONS COMPANY PLANTER AND FIRMER

Great Labor  
and  
Time  
Saving  
Devices  
for  
Nurserymen



Better and  
More  
Uniform  
Stands of  
Stocks,  
Grafts,  
Cuttings, Etc.  
at Less Cost.

PLANTER

Write for descriptive Circular, with testimonials from Leading Nurserymen of 17 States of the Union. If they can't get along without them, can *YOU*? Take this matter up at once. Have Machines for Spring Planting.

I. E. ILGENFRITZ' SONS CO. The Monroe Nursery, Monroe, Mich.

(SEE OUR OTHER AD. THIS PAPER.)

## Surplus Stock for Spring 1909

Apples,  $\frac{3}{4}$ ,  $\frac{5}{8}$  and  $\frac{1}{2}$  inch, in fair assortment.  
Peaches, 11-16, 9-16 and  $\frac{1}{2}$  to  $\frac{3}{8}$ , good assortment, fine stock.

Pears, Cherries, Plums and Quinces.

Japan Walnuts, Black Walnuts and Pecans.

American Ash, White Birch, Catalpas, White Dogwood, Maples, Oaks, Poplars, American Judas, Salisburia, Sweet Gum, Tulips, and other shade trees.

A large stock of American Arbor Vitæ and Norway Spruce in sizes, 1-7 feet.

Douglas, Hemlock and White Spruce, Pines and Retinisporas.

A good assortment of Shrubbery.  
California Privet in sizes from 1-3 feet.

SEND LIST OF WANTS FOR PRICES.

**The Rakestraw-Pyle Co.**  
KENNETT SQUARE, PA.

## You Admit it Pays to Spray

OBVIOUSLY THEN IT PAYS TO USE THE VERY BEST SPRAYING MATERIALS PRODUCED—IF THE PRICES ARE RIGHT.

HEMINGWAY'S "LONDON PURPLE"  
HEMINGWAY'S LEAD ARSENATES  
"THEY'RE TWO BIRDS"



EITHER OF THEM WILL KILL THE BUG

WE PRODUCE THE BEST AND AT THE SAME TIME THE CHEAPEST. We have a 31 years' experience and reputation behind us and many hundreds of splendid unsolicited testimonials.

Thousands of tons of "London Purple" have been used in this country alone. Our largest customers a quarter of a century ago are our largest customers today. Both "London Purple" and Hemingway's Lead Arsenate are put up in every variety of package and should be obtainable at your dealers. If not, write to us direct, giving us the dealer's name and we will see that you are supplied.



Highest Award New Orleans 1884  
Highest Award Crystal Palace, London, 1891  
Gold Medal, St. Louis, 1904

HEMINGWAY'S "LONDON PURPLE" CO., LTD.

133 FRONT STREET, NEW YORK.



**HERE'S** what we had on hand February 20. The stuff sold rapidly and during the eight weeks, trees of all leading sorts have been nearly cleaned out in the larger sizes and stock of smaller sizes has been considerably reduced.

Take Belle of Georgia Peaches for instance. Middle of December we had 22,000; today we have 15,000, two-thirds of which are the smallest sizes. Ben Davis Apples were reduced from 8,000 to 4,000 during the same period and orders for hundreds of thousands of Strawberry plants have been booked.

If stocks were going like that during December and January—the dull season—how fast will they go when spring opens? **BETTER SEND YOUR ANSWER IN FORM OF AN ORDER!**

#### PEACH TREES,—1 Yr., Fine.

	1 in. up	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	2-3	1-2 ft.
Admr. Dewey	180				120	120
Beer Smock					1000	1500
Belle of Georgia	400	1890	1860	1400	3560	3610
Bray's R. R.		220	400	200	190	240
Blyeu		900	900	700	300	425
Crawford Early					800	760
Carman	1100	3000	500		2000	1100
Connet So. Ey.	30	140	120	30	30	
Crawford Late	600	4680	10000		1000	8000
Crosby	100	200	260	400	570	550
Chair's Choice		500			120	100
Elberta	100	100		100	500	6000
Engle Mammoth	140	303	270	300	200	1320
Fox Seedling					2000	500
Frances	10	30	500	550	800	540
Greensboro					1300	1000

	1 in. up	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	2-3	1-2 ft.
Geary's Holdon	300				380	1100
Hieley (Ey. Belle)		400	550	230	175	260
Kalamazoo	220	600	630	270	150	320
Mayflower	60	250	900	550	740	690
Mamie Ross	30	340	290	190	80	160
Mt. Rose		400			800	1800
Moore's Favorite	90	860	1000	1060	1040	600
Old Mixon		300		300	1000	1000
Reeve's Fav	200	1000	2000	450	300	1000
Salway	2800	3500	1500	1000		1700
Stump		500		100	500	2400
Triumph	100			300	400	400
Waddell		150	200			240
Wonderful	100					600
Ray		830	690	1090	1780	1250

(Ray double price of others.)

#### PLUM TREES.

	1 in. up	$\frac{3}{4}$	$\frac{1}{2}$	3-4 ft.
Abundance	100	100	100	1000
Burbank	1000	500		
Lombard		100	100	
Red June	200	3000	3000	2000
Shropshire Damson		500	500	
Yellow Egg		50		
York State Prune		50		
Bradshaw		100		
Wickson	500	500	500	

#### CHERRY TREES.

	$\frac{3}{4}$	$\frac{1}{2}$	3 to 4
Baldwin		500	400
Black Tartarian	600	800	100
Dyehouse		500	800
Early Richmond	500	3000	3500
Gov. Wood	50	400	100
Montmorency	500	3000	3000
Schmidt	150	150	50
Windsor	150	300	150
Napoleon		100	

#### CURRENTS.

Cherry, 500 2-year.	Victoria, 500 2-year.
North Star, 500 2-year.	Wilder, 10000 1-year.
Red Dutch, 500 2-year.	

#### QUINCE.

500 Orange, 3 to 5 ft.
50 Bourgeat, 3 to 5 ft.

#### TWO-YEAR BUDDED APPLES

##### Select Stock.

	6-7 ft.	5-6 ft.	4-6 ft.	4-5 ft.	3-4 ft.
	1 in. & up	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$
Ben. Davis					2300
Carthouse		140	50		
Canada Red				230	
Bismarck			100	130	
Dutchess	300		200	600	
Early Harvest		300	1500	710	
Flora Belle	70	130	100		
Grimes' Golden	1500	3000	1000	300	1000
Gravenstein			50	200	
Golden Beauty	350	350	450	110	
Lankford Seed		100	20		
Longfield		30	80		
M. B. Twig	100	10000			
Nero		300	500	1500	
Paradise, W. S.			50	50	
Roman Stem			50	100	
Rolfe		30	40	40	
Red Astrachan		50	1000	1000	
Stayman's Winesap			500	220	2100
Sweet Bough				100	
Stark			500	220	
Salome		20	50	160	
Transcendent			500	400	
Virginia Beauty				220	
Walbridge		140	20	150	
Wealthy				2000	2080
Wolf River	125			600	
Winesap				2500	
Yellow Transparent			1000	1470	1400
Lawyer			50	50	30
Scott's Winter			100	100	

#### ONE-YEAR APPLE, BUDDED.

18000, Ben Davis, 4 to 5 ft.  
7,000 Ben Davis, 3 to 4 ft.  
3,000 Stayman's Winesap, 4 to 5 ft.  
Twenty-five other varieties of apple, such as Baldwin, Jonathan, Grimes Golden, Nero, Winesap, Yellow Transparent, Stark, Red Astrachan, etc

#### DWARF APPLES.

Baldwin, Bismarck, Dutchess, Early Harvest, Fallawater, Golden Sweet, Gravenstein, Northern Spy, Red Astrachan, Stayman's Winesap, Sweet Bough, Wealthy and R. I. Greening, 3 to 4 ft.

#### KIEFFER PEAR TREES.

##### TWO YR.—FINE ONES.

1000 Kieffer, 1 in. up, 6 to 7 ft.  
17500 Kieffer,  $\frac{3}{4}$  to 1 in., 5 to 7 ft.  
12500 Kieffer,  $\frac{1}{2}$  to  $\frac{3}{4}$  in., 4 to 6 ft.  
4500 Kieffer,  $\frac{1}{2}$  to  $\frac{3}{4}$  in., 4 to 5 ft.  
4000 Kieffer, 3 to 4 ft.  
3000 Kieffer, 2 to 3 ft.  
40 Garber,  $\frac{3}{4}$  in. 250 Garber,  $\frac{1}{2}$  in.  
100 Garber,  $\frac{3}{8}$  in. 300 Garber, 3 to 4 ft.  
1000 Lecont,  $\frac{1}{2}$  in. 1000 Lecont, 3 to 4 ft.  
100 Dutchess, 100 Seckel, 20 Clapps, 30 Flemish Beauty, Dwarf Pears,  $\frac{5}{8}$  in.

	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	3-4 ft.	2-3 ft.
Bartlett	1500	100	800	1200	700
Clapp's Fav	400	2000	400	100	50
Dutchess	300	300			
Flemish Be'ty	600	100	200	200	
Koontz	200				
Lawrence	100	200			
Manning's El		50	400	300	200
Seckel	900	2000	500		
Worden Seckel		100			

#### GRAPE VINES.

##### One Year, Number One.

21,000 Concord	1,000 Niagara
1,000 Delaware	900 Wyomin
10,000 Moore's Early	

#### RASPBERRY PLANTS.

5,000 Red Raspberry Plants, Ruby.

#### CAROLINA POPLARS.

1000—6 to 8 ft.  
2000—1 to 1  $\frac{1}{4}$  inch, 10 to 12 ft.  
2000— $\frac{3}{8}$  to 1 inch, 8 to 10 ft.

#### CALIFORNIA PRIVET HEDGE.

5000—3 to 4 ft. 15000—18 to 24 in.  
10000—2 to 3 ft. 18000—12 to 18 in.

#### NORWAY SPRUCE.

10—5 to 6 ft. 2000—2 to 3 ft.  
1000—3 to 4 ft. 1000—18 to 24 inches.

#### AMERICAN ARBOR VITAE.

50—4 to 5 ft. 500—2 to 3 ft.  
500—3 ft. 500—18 to 24 inches.

#### SILVER MAPLES.

1000—1  $\frac{1}{4}$  inch, 10 to 12 ft.  
1000—1 to 1  $\frac{1}{4}$  inch, 9 to 10 ft.  
1000— $\frac{3}{8}$  to 1 inch, 8 to 9 ft.  
1000— $\frac{1}{4}$  to  $\frac{3}{8}$  inch, 7 to 8 ft.

#### NORWAY MAPLES.

5000—6 to 8 ft. Whips.  
1000—7 to 8 ft. Branched.

#### BLUE CEDARS OR GLAUCIA VIRGINIANA.

3 to 4 ft. 4 to 5 ft.

#### AMERICAN ELM.

1000—1  $\frac{1}{2}$  inch, 8 to 10 ft.  
1000—1 to 1  $\frac{1}{2}$  inch, 7 to 8 ft.

#### RUSSIAN MULBERRY.

1000—1  $\frac{1}{2}$  inch, 8 to 10 ft.  
1000—1 to 1  $\frac{1}{2}$  inch, 7 to 8 ft.

#### CATALPA SPECIOSA.

100—3 to 4 ft. 100—4 to 5 ft.

#### AMERICAN BLACK ASH.

$\frac{3}{4}$  inch, 5 to 6 ft.  
Abies Concolor (White Fir), 10 in.  
Juniperus Commisio (Common Juniper).  
Pica Pungens (Col. Blue Spruce), 12 in.  
Pica Pungens (Col. Blue Spruce), 3 ft.  
Koster Blue Spruce, 12 in.  
Koster Blue Spruce, 18 to 24 in.

Retinospora Plumosa, 3 to 4 ft.

Retinospora Plumosa, 4 to 5 ft.

Hemlock Spruce, 2 to 3 ft.

Hemlock Spruce, 3 ft.

Cupressus (Glory of Bos Korp.), 12 to 18 in.

Bay Trees, Standard, { 28 to 30 in. crown {  
40 to 48 in. stem }

Laurus Cerasus—Cherry Laurel:

Standard Symmetrical Crowns, 3 to 4 ft.

Dwarf, 2 to 3 ft.

European Horse Chestnut, 4 to 5 ft.

Magnolia Soulangeana, 3 ft.

Magnolia Stellata, 2 to 2  $\frac{1}{2}$  ft.

Rhododendrons Catawbiense (White), 15 in. 10 to

12 in. buds.

Rhododendrons Catawbiense (Purple), 15 in., 10

to 12 in. buds.

Rhododendrons Ponticum (Purple), 15 in., 10 to

15 in. buds.

Azalea Mollis, 15 to 20 buds, 12 in.

Hydrangea P. G., 18 to 24 in.

#### ROSES.

Baby Rambler.

La France,

Magna Charta,

Rosa Rugosa,

Crimson Rambler,

Pink Rambler,

White Rambler,

Yellow Rambler,

Alba Clematis,

Gypsy Queen Clematis,

Jackmanni Clematis,

Strong Field-Grown Plants.

2 to 3-yr. Field Grown.

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300,000 From New Beds, Well Rooted, and will be fresh dug at time of shipment. Our prices include cost of packing plants.

22,000 Aroma	45,000 Midnight
72,000 Auto	110,000 Marshall
21,000 Beder Wood	58,000 Mitchell's Elly
40,000 Bismarck	4,000 McKinley
25,000 Chesapeake	75,000 Mark Hanna
50,000 Crim. Cluster	27,000 New Home
48,000 Crescent	40,000 New York
25,000 Dayton	70,000 Nick Ohmer
158,000 Early Hath'y	90,000 Oak's Early
800,000 Gandy	145,000 Parsons
25,000 Gladstone	25,000 Rough Rider
50,000 Glen Mary	110,000 Stephen's Late
40,000 Haverland	Champion
50,000 Johnson's El'y	47,000 Tenn. Prolific
27,000 Kansas	50,000 Tilghman's Fav.
175,000 Klondike	22,000 Virginia Beauty
25,000 King Philip	24,000 Wolverton
25,000 Lady Thomp.	200,000 Warfield

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Scions are tied in bundles of 250. We furnish 500 of one sort at 1,000 rates; 250 to 500 at the 250 rate; broken bundles of less than 250 of a sort will be charged at 25c additional to the 250 rate.

##### PRICE PER 250.

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5000—Baldwin	2000—Gravenstein
60000—Ben Davis	20000—Jonathan
5000—Dutchess	50000—Nero
2000—Fameuse	2000—Northern Spy
5000—Gano	

##### PER 1000 STICKS

2000—Red June
5000—Stayman's Winesap
2000—Red Astrachan
1000—R. I. Greening
1000—Smith's Cider
10000—M. B. Twig
15000—Stark

**J. G. HARRISON & SONS,**

**BERLIN, MARYLAND**



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# THE NATIONAL NURSERYMAN



APRIL, 1909

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

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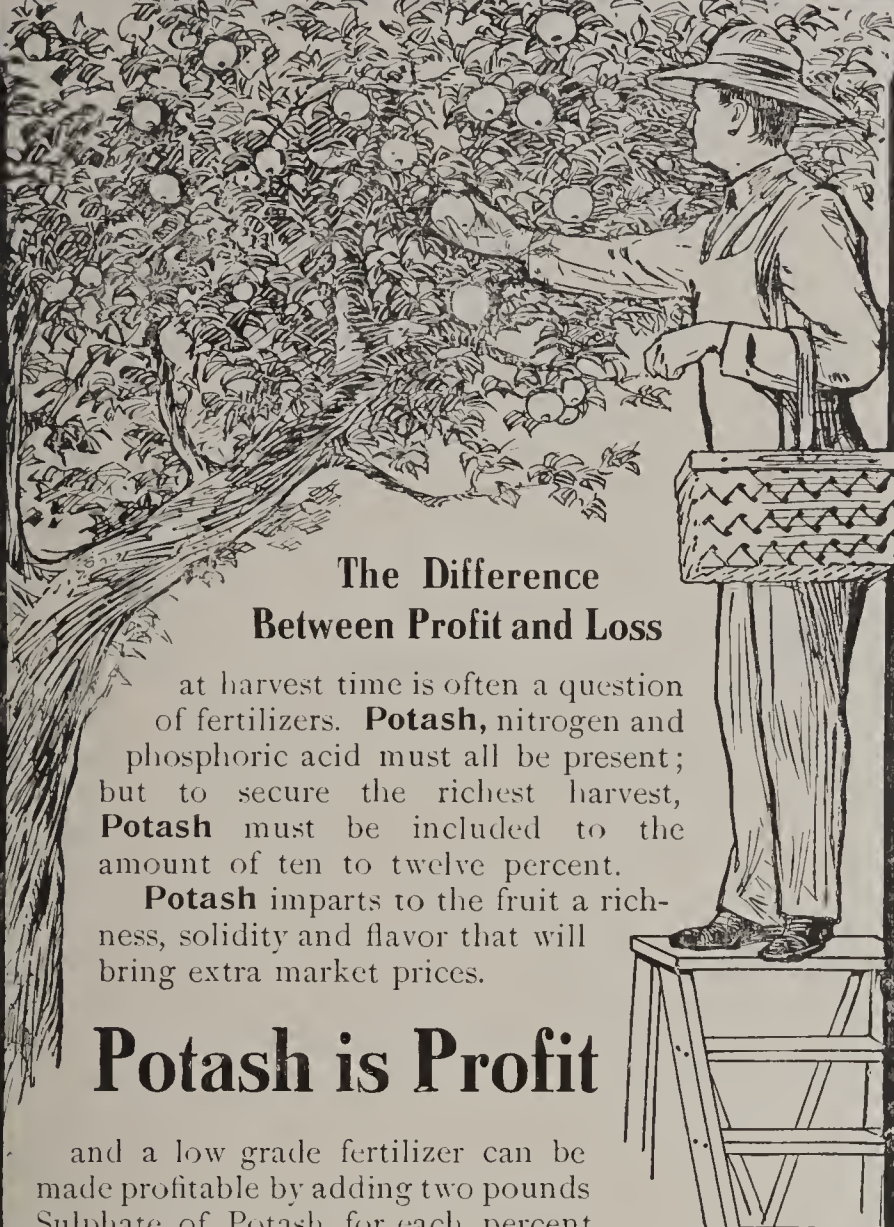
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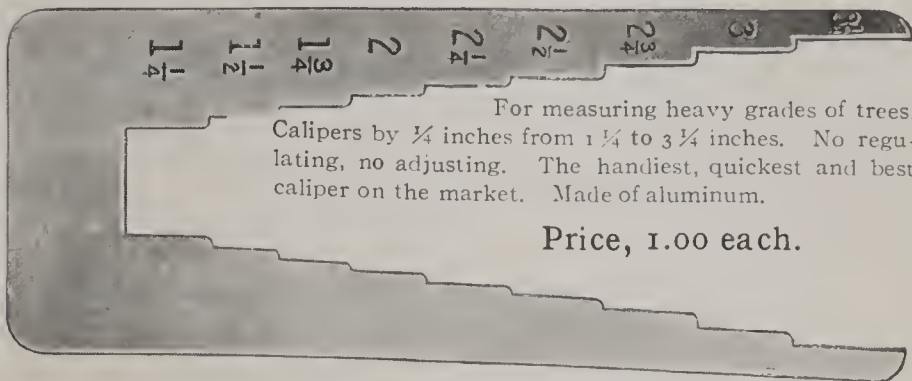
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 1,000 Mugho Pine, 6 in. high, 6 in. broad, twice tr., round and compact, larger sizes twice tr.  
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# SPRING SURPLUS SUPERIOR STOCK

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Our surplus stock on March 25th inventoried as below:

Compare these lists with our preceding ones, in this publication, and you'll see how rapidly our stock is moving, in response to demand for dependable trees and plants. Let us have your requirements now—if you delay the very things that you want are likely to be gone when your order reaches us.

## PEACH TREES

Belle of Georgia.—1 in., 6 to 7 ft., 100;  $\frac{3}{4}$  in., 5 to 7 ft., 1000; 9-16 in., 4 to 6 ft., 300;  $\frac{1}{2}$  in., 4 to 5 ft., 100; 3 to 4 ft., 2000; 2 to 3 ft., 4000; 1 to 2 ft., 2400.  
Bilyeu's Late.— $\frac{3}{4}$  in., 5 to 7 ft., 800; 9-16 in., 4 to 6 ft., 700;  $\frac{1}{2}$  in., 4 to 5 ft., 300; 1 to 2 ft., 200.  
Chair's Choice.— $\frac{3}{4}$  in., 5 to 7 ft., 800.  
Crawford Late.—1 in., 6 to 7 ft., 200;  $\frac{3}{4}$  in., 5 to 7 ft., 6,000; 9-16 in., 4 to 6 ft., 1,000; 3 to 4 ft., 3,000; 2 to 3 ft., 8,000.  
Carman.—1 in., 6 to 7 ft., 1,000;  $\frac{3}{4}$  in., 5 to 7 ft., 2,000; 2 to 3 ft., 1,000; 1 to 2 ft., 1,000.  
Crawford Early.—9-16 in., 4 to 6 ft., 500;  $\frac{1}{2}$  in., 4 to 5 ft., 500; 3 to 4 ft., 300; 2 to 3 ft., 100; 1 to 2 ft., 400.  
Crosby.—2 to 3 ft., 300; 1 to 2 ft., 500.  
Engle's Mammoth.—1 in., 6 to 7 ft., 100;  $\frac{3}{4}$  in., 5 to 7 ft., 200; 9-16 in., 4 to 6 ft., 200;  $\frac{1}{2}$  in., 4 to 5 ft., 100; 3 to 4 ft., 130; 2 to 3 ft., 1,000; 1 to 2 ft., 675.  
Fox Seedling.—1 to 2 ft., 200.  
Frances.—9-16 in., 4 to 6 ft., 300;  $\frac{1}{2}$  in., 4 to 5 ft., 300; 3 to 4 ft., 100; 2 to 3 ft., 300; 1 to 2 ft., 200.  
Greensboro.—3 to 4 ft., 1,000; 2 to 3 ft., 2,500; 1 to 2 ft., 1,500.  
Early Belle.— $\frac{3}{4}$  in., 5 to 7 ft., 300; 9-16 in., 4 to 6 ft., 200;  $\frac{1}{2}$  in., 4 to 5 ft., 50; 3 to 4 ft., 100; 2 to 3 ft., 170; 1 to 2 ft., 100.  
Lemon Free.— $\frac{3}{4}$  in., 5 to 7 ft., 200; 9-16 in., 4 to 6 ft., 100;  $\frac{1}{2}$  in., 4 to 5 ft., 50; 2 to 3 ft., 50.  
Ray.— $\frac{3}{4}$  in., 5 to 7 ft., 400; 9-16 in., 4 to 6 ft., 200;  $\frac{1}{2}$  in., 4 to 5 ft., 800; 3 to 4 ft., 1,500; 2 to 3 ft., 1,200; 1 to 2 ft., 300.  
Mayflower.—9-16 in., 4 to 6 ft., 300;  $\frac{1}{2}$  in., 4 to 5 ft., 200; 3 to 4 ft., 500; 2 to 3 ft., 300.  
W. H. Cling.— $\frac{3}{4}$  in., 5 to 7 ft., 70.  
Wilkin's Cling.— $\frac{3}{4}$  in., 5 to 7 ft., 150; 9-16 in., 4 to 6 ft., 100;  $\frac{1}{2}$  in., 4 to 5 ft., 100; 3 to 4 ft., 100.  
Mt. Rose.—3 to 4 ft., 300; 2 to 3 ft., 700; 1 to 2 ft., 700.  
Moore's Favorite.— $\frac{3}{4}$  in., 5 to 7 ft., 400; 9-16 in., 4 to 6 ft., 100;  $\frac{1}{2}$  in., 4 to 5 ft., 200.  
Mamie Rose.— $\frac{3}{4}$  in., 5 to 7 ft., 100; 9-16 in., 4 to 6 ft., 100.  
Old Mixon Free.—3 to 4 ft., 500; 2 to 3 ft., 500.  
Reeve's Favorite.—1 in., 6 to 7 ft., 100;  $\frac{3}{4}$  in., 5 to 7 ft., 500; 9-16 in., 4 to 6 ft., 1,000; 2 to 3 ft., 300.  
Stephen's R. R.—1 to 2 ft., 100.  
Stump.—3 to 4 ft., 400; 2 to 3 ft., 1,200; 1 to 2 ft., 800.  
R. C. Melocotoon.— $\frac{3}{4}$  in., 5 to 7 ft., 50; 9-16 in., 4 to 6 ft., 50;  $\frac{1}{2}$  in., 4 to 5 ft., 50; 3 to 4 ft., 100.  
Connecticut.— $\frac{3}{4}$  in., 5 to 7 ft., 50; 9-16 in., 4 to 6 ft., 10;  $\frac{1}{2}$  in., 4 to 5 ft., 40; 3 to 4 ft., 60; 2 to 3 ft., 10.  
Large Early York.— $\frac{3}{4}$  in., 5 to 7 ft., 100; 9-16 in., 4 to 6 ft., 80;  $\frac{1}{2}$  in., 4 to 5 ft., 60; 3 to 4 ft., 40; 2 to 3 ft., 20.

Eureka.— $\frac{3}{4}$  in., 5 to 7 ft., 100; 9-16 in., 4 to 6 ft., 100;  $\frac{1}{2}$  in., 4 to 5 ft., 100; 3 to 4 ft., 50.  
Elberta Cling.— $\frac{3}{4}$  in., 5 to 7 ft., 30; 9-16 in., 4 to 6 ft., 100;  $\frac{1}{2}$  in., 4 to 5 ft., 50; 3 to 4 ft., 70; 2 to 3 ft., 50.  
Jennie Worthen.— $\frac{3}{4}$  in., 5 to 7 ft., 30; 9-16 in., 4 to 6 ft., 100;  $\frac{1}{2}$  in., 4 to 5 ft., 80; 3 to 4 ft., 100; 2 to 3 ft., 100; 1 to 2 ft., 75.  
Chinese Cling.— $\frac{3}{4}$  in., 5 to 7 ft., 40; 9-16 in., 4 to 6 ft., 90;  $\frac{1}{2}$  in., 4 to 5 ft., 80; 3 to 4 ft., 90.  
Bokara.— $\frac{3}{4}$  in., 5 to 7 ft., 100; 3 to 4 ft., 40.  
Elberta.—2 to 3 ft., 3,000; 1 to 2 ft., 8,000.  
Salway.—1 in., 6 to 7 ft., 2,500;  $\frac{3}{4}$  in., 5 to 7 ft., 3,000.  
Levy's Late.— $\frac{3}{4}$  in., 5 to 7 ft., 100; 9-16 in., 4 to 6 ft., 100;  $\frac{1}{2}$  in., 4 to 5 ft., 100; 3 to 4 ft., 100.  
Kalamazoo.—1 in., 6 to 7 ft., 200;  $\frac{3}{4}$  in., 5 to 7 ft., 200.  
Smock.— $\frac{3}{4}$  in., 5 to 7 ft., 600; 3 to 4 ft., 100; 1 to 2 ft., 500.  
Bray's R. R.— $\frac{3}{4}$  in., 5 to 7 ft., 270; 9-16 in., 4 to 6 ft., 100;  $\frac{1}{2}$  in., 4 to 5 ft., 100; 3 to 4 ft., 125.  
Waddell.— $\frac{3}{4}$  in., 5 to 7 ft., 300; 9-16 in., 4 to 6 ft., 100.  
Geary's Holdon.— $\frac{3}{4}$  in., 5 to 7 ft., 800; 2 to 3 ft., 2,000; 1 to 2 ft., 300.  
Delaware.— $\frac{3}{4}$  in., 5 to 7 ft., 40; 9-16 in., 4 to 6 ft., 50.

## PLUM TREES

Red June.— $\frac{3}{4}$  in., 600;  $\frac{1}{2}$  in., 3,000;  $\frac{1}{2}$  in., 1,200; 3 to 4 ft., 400; 2 to 3 ft., 200.  
Bradshaw.— $\frac{3}{4}$  in., 100;  $\frac{1}{2}$  in., 180.  
Abundance.— $\frac{3}{4}$  in., 300;  $\frac{1}{2}$  in., 200;  $\frac{1}{2}$  in., 800.  
Yellow Egg.— $\frac{3}{4}$  in., 80.  
York State Plum.— $\frac{3}{4}$  in., 25.  
October Purple.— $\frac{3}{4}$  in., 90.  
Shrop. Damson.— $\frac{3}{4}$  in., 1,000;  $\frac{1}{2}$  in., 800;  $\frac{1}{2}$  in., 75; 3 to 4 ft., 80.  
Chabot.— $\frac{3}{4}$  in., 100.  
Burbank.— $\frac{3}{4}$  in., 600;  $\frac{1}{2}$  in., 300.  
Wickson.— $\frac{3}{4}$  in., 100;  $\frac{1}{2}$  in., 100; also 100 1 in. and up.

## PEAR TREES

Kieffer.—1 in., 300;  $\frac{3}{4}$  in., 6,000;  $\frac{1}{2}$  in., 7,000;  $\frac{1}{2}$  in., 2,000; 3 to 4 ft., 1,000; 2 to 3 ft., 500.  
Worden Seckle.— $\frac{1}{2}$  in., 200.  
Vermont Beauty.— $\frac{3}{4}$  in., 30;  $\frac{1}{2}$  in., 250;  $\frac{1}{2}$  in., 210; 3 to 4 ft., 90.  
Seckle.—11-16 in., 1,000;  $\frac{1}{2}$  in., 2,100;  $\frac{1}{2}$  in., 600.  
Lawrence.— $\frac{3}{4}$  in., 180;  $\frac{1}{2}$  in., 300;  $\frac{1}{2}$  in., 70; 3 to 4 ft., 60.  
Mannings.— $\frac{1}{2}$  in., 140;  $\frac{1}{2}$  in., 300; 3 to 4 ft., 300; 2 to 3 ft., 240.  
LeConte.— $\frac{1}{2}$  in., 800; 3 to 4 ft., 1,000.  
Koonce.— $\frac{3}{4}$  in., 270.  
Garber.— $\frac{3}{4}$  in., 250;  $\frac{1}{2}$  in., 800;  $\frac{1}{2}$  in., 500.  
Flemish Beauty.— $\frac{3}{4}$  in., 600;  $\frac{1}{2}$  in., 120;  $\frac{1}{2}$  in., 150; 3 to 4 ft., 150.  
Dutchess.— $\frac{3}{4}$  in., 400;  $\frac{1}{2}$  in., 500.  
Bartlett.— $\frac{3}{4}$  in., 200; 3 to 4 ft., 1,000; 2 to 3 ft., 700.

## CHERRY TREES

Dyehouse.— $\frac{1}{2}$  in., 700;  $\frac{1}{2}$  in., 1,000; 3 to 4 ft., 600.  
Baldwin.— $\frac{1}{2}$  in., 500; 3 to 4 ft., 400.  
Ostheim.— $\frac{1}{2}$  in., 50;  $\frac{1}{2}$  in., 100.  
Early Richmond.— $\frac{3}{4}$  in., 500;  $\frac{1}{2}$  in., 2,000; 3 to 4 ft., 2,000.  
Montmorency.— $\frac{3}{4}$  in., 500;  $\frac{1}{2}$  in., 1,000;  $\frac{1}{2}$  in., 2,000; 3 to 4 ft., 2,000.  
Black Tartarian.— $\frac{3}{4}$  in., 500;  $\frac{1}{2}$  in., 500;  $\frac{1}{2}$  in., 100; 3 to 4 ft., 50.  
Gov. Wood.— $\frac{3}{4}$  in., 300.  
Napoleon.— $\frac{1}{2}$  in., 150.  
Schmidt.— $\frac{3}{4}$  in., 100;  $\frac{1}{2}$  in., 100;  $\frac{1}{2}$  in., 100.  
Windsor.— $\frac{3}{4}$  in., 100;  $\frac{1}{2}$  in., 200;  $\frac{1}{2}$  in., 100; 3 to 4 ft., 50.  
Late Duke.— $\frac{3}{4}$  in., 25;  $\frac{1}{2}$  in., 20;  $\frac{1}{2}$  in., 20; 3 to 4 ft., 20.

## APPLE TREES

Yellow Transparent.— $\frac{1}{2}$  in., 1,000; 3 to 4 ft., 1,000.  
Rawles Janet.— $\frac{3}{4}$  in., 20;  $\frac{1}{2}$  in., 500;  $\frac{1}{2}$  in., 500.  
Mann.— $\frac{3}{4}$  in., 200;  $\frac{1}{2}$  in., 300.  
Nero.— $\frac{3}{4}$  in., 200;  $\frac{1}{2}$  in., 800;  $\frac{1}{2}$  in., 1,000.  
Salome.— $\frac{3}{4}$  in., 120;  $\frac{1}{2}$  in., 250.  
Roman Stem.— $\frac{1}{2}$  in., 300;  $\frac{1}{2}$  in., 260.  
Hyslop.— $\frac{1}{2}$  in., 100;  $\frac{1}{2}$  in., 100.  
William's Early Red.— $\frac{1}{2}$  in., 100.  
Red Astrachan.— $\frac{1}{2}$  in., 1,000.  
Transcendent Crab.— $\frac{3}{4}$  in., 50;  $\frac{1}{2}$  in., 600;  $\frac{1}{2}$  in., 600.  
Golden Beauty.— $\frac{3}{4}$  in., 300;  $\frac{1}{2}$  in., 190;  $\frac{1}{2}$  in., 110; (500 1 inch).  
Aiken Red.— $\frac{1}{2}$  in., 20;  $\frac{1}{2}$  in., 60.  
Ben Davis.— $\frac{1}{2}$  in., 2,000; 3 to 4 ft., 1,500.  
Canada Red.— $\frac{1}{2}$  in., 200.  
Carthouse.— $\frac{1}{2}$  in., 100;  $\frac{1}{2}$  in., 60.  
Dutchess.— $\frac{1}{2}$  in., 400.  
Early Harvest.— $\frac{1}{2}$  in., 300;  $\frac{1}{2}$  in., 1,200.  
Early Strawberry.— $\frac{1}{2}$  in., 40.  
Flora Belle.— $\frac{1}{2}$  in., 100;  $\frac{1}{2}$  in., 100.  
Gravenstein.— $\frac{1}{2}$  in., 450.  
Grimes' Golden.—3 to 4 ft., 600 (300 1 inch).  
Lankford.— $\frac{1}{2}$  in., 80;  $\frac{1}{2}$  in., 10.  
Longfield.— $\frac{1}{2}$  in., 30;  $\frac{1}{2}$  in., 20.  
Kennard's Choice.— $\frac{3}{4}$  in., 70;  $\frac{1}{2}$  in., 200;  $\frac{1}{2}$  in., 90.  
Mo. Pippin.— $\frac{1}{2}$  in., 300;  $\frac{1}{2}$  in., 150; 3 to 4 ft., 170.  
Opalescent.— $\frac{1}{2}$  in., 75; 3 to 4 ft., 100.  
King.— $\frac{1}{2}$  in., 50;  $\frac{1}{2}$  in., 50; 3 to 4 ft., 100.  
Rolf.— $\frac{3}{4}$  in., 30;  $\frac{1}{2}$  in., 40;  $\frac{1}{2}$  in., 40.  
Winesap.— $\frac{1}{2}$  in., 30; 3 to 4 ft., 1,800.  
Wealthy.— $\frac{1}{2}$  in., 2,300; 3 to 4 ft., 1,300.  
Walbridge.— $\frac{3}{4}$  in., 140;  $\frac{1}{2}$  in., 20;  $\frac{1}{2}$  in., 150.  
York Imperial.— $\frac{3}{4}$  in., 1,000;  $\frac{1}{2}$  in., 1,000;  $\frac{1}{2}$  in., 1,000; 3 to 4 ft., 1,000; 2 to 3 ft., 1,900.  
Wolf River.—3 to 4 ft., 500.

## STRAWBERRY PLANTS

72,000 Auto.	20,000 Glen Mary	4,000 McKinley	30,000 Sample
10 Beder Wood	40,000 Johnson's Early	75,000 Mark Hanna	90,000 Stephen's Late Champion
50,000 Crimson Cluster	300,000 Klondike	27,000 New Home	10,000 Tennessee Prolific
40 Crescent	25,000 King Philip	30,000 New York	50,000 Tilghman's Favorite
25,000 Dayton	25,000 Lady Thompson	50,000 Nick Ohmer	22,000 Virginia Beauty
158,000 Early Hathaway	40 Midnight	90,000 Oak's Early	24,000 Wolverton.
700 Gandy	100 Marshall	90,000 Parsons	
25,000 Gladstone	58,000 Mitchell's Early	20,000 Rough Rider	

## MISCELLANEOUS TREES

American Chestnut.— $\frac{3}{4}$  in., 100;  $\frac{1}{2}$  in., 50; 2 in., 50; 1  $\frac{1}{2}$  in., 50.  
Schwedleri. Maple.—4 to 5 ft., 50.  
American Horsechestnut.—4 to 5 ft., 50.  
Carolina Poplars.—1 in., 300;  $\frac{3}{4}$  in., 300.  
Silver Maples.— $\frac{1}{2}$  in., 1,000; 1 in., 500.  
Norway Maples.—6 to 8 ft., 1,000.  
American Elm.—1  $\frac{1}{4}$  in., 8 to 10 ft., 1,000.  
Box Elder.—1  $\frac{1}{4}$  in., 8 to 10 ft., 1,000.  
California Privet.—18 to 24 in., 5,000.  
California Privet.—12 to 18 in., 10,000.  
Abies Concolor (White Fir).—10 in.  
Juniperus Communis (Common Juniper).—18 to 24  
Picea Pungens (Col. Blue Spruce).—12 in.  
Picea Pungens (Col. Blue Spruce).—3 ft.  
Koster Blue Spruce.—12 in.  
Koster Blue Spruce.—18 to 24 in.  
Retinispora Plumosa.—3 to 4 ft.

Retinispora Plumosa.—4 to 5 ft.  
Hemlock Spruce.—2 to 3 ft.  
Hemlock Spruce.—3 ft.  
Cupressus (Glory of Bos Koop.).—12 to 18.  
Bay Trees Standard.—28 to 30 in., crown; 40 to 48 in., stem.  
Laurus Cerasus—Cherry Laurel.—Standard Symmetrical Crowns, 3 to 4 ft.; Dwarf, 2 to 3 ft.  
European Horse Chestnut.—4 to 5 ft.  
Magnolia Soulangiana.—3 ft.  
Magnolia Stellata.—2 to 2  $\frac{1}{2}$  ft.  
Rhododendrons Catawbiense (White).—15 in. 10 to 12 buds.  
Rhododendrons Catawbiense (Purple).—15 in., 10 to 12 buds.  
Rhododendrons Ponticum (Purple).—15 in., 10 to 15 buds.  
Azalea Mollis, 15 to 20 buds, 12 in.  
Hydrangea P. G.—18 to 24 in.

## ROSES

ROSES  
Baby Rambler  
LaFrance  
Magna Charta  
Rosa Rugosa  
Crimson Rambler  
Pink Rambler  
White Rambler  
Yellow Rambler

Strong Field-Grown Plants

## VINES

Alba Clematis  
Gypsy Queen Clematis  
Jackmani Clematis

2 to 3 year Field Grown.

Too much emphasis cannot be placed upon the importance of prompt orders in case you wish any part of the magnificent stock listed above. If you have not seen our 1909 catalogue, write for a copy, but don't delay your order—everybody knows the quality of our stock and it will move faster than ever now that the planting season is here!

# J. G. HARRISON & SONS, Berlin, Maryland





# THE NATIONAL NURSERYMAN



MAY, 1909

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

## The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

## Choice Nursery Stock

PEACH, STD. PEAR,  
PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

## EVERGREENS

## OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE  
PINES, BOX BUSH. A general collection  
of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA  
PRIVET, SPIRAEA VAN HOUTTEI  
by the thousand.

Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

OREGON GROWN

## ROSES

OWN ROOTS

Baltimore Belle    Crimson Rambler  
Dorothy Perkins    Seven Sisters  
Queen of the Prairie

CUT-LEAF WEEPING BIRCH

Carload Rates Through to Chicago.    Prices Right.

Oregon Nursery Co.,    SALEM, ORE.

## Surplus Bargains

Send for our Surplus Price List. Among a large number of items on which we quote special prices are:

Plums. Northern varieties on native roots.  
Compass Cherry Plum. A few left.  
Small Fruits. Assortment in Blackberries, Raspberries and Currants.  
Evergreens. Transplanted Conifers. Northern Cedars, Pines and Spruces. Fine stock.  
Ornamental Shrubs. Large list of hardy varieties. Low prices on 3-4 and 4-5 ft. grades. Strong stock grown in open rows. Our specialty.  
Deciduous Seedlings. Bargains in Maple, Ash and Elm.  
Willows. Golden and White. Yearling stock in sizes.  
Deciduous Shade Trees. Large assortment. Smooth Stock.  
Herbaceous Plants. Largest planting in West. All field grown stock.  
Roses. Surplus of ten thousand choice 2 yr. No. 1 stock. All our own growing. H. P's., Mosses, Climbers and Rugosas.

The Jewell Nursery Co.

Lake City, Minnesota

1200 Acres

Established 1868



# W. Van Kleef & Sons

Wholesale Growers of  
Nursery Stock

BOSKOOP, (HOLLAND)

Beg to announce to the trade that their  
W. VAN KLEEF, JR. is again in  
America calling on the trade. Please  
address all correspondence during May  
care of Messrs. MALTUS & WARE,

14 Stone Street,  
NEW YORK

SPECIALTIES :

**Roses, Boxtrees, Azaleas,  
Clematis, Etc.**



**WE OFFER** a fine stock  
of **EVERGREENS** for  
spring planting, all  
select stock, twice transplanted, consisting of  
American Arborvitaes in sizes from 1-7 ft. Dwarf  
Arborvitaes in Pyramidal Compacta, Golden,  
Vervanes, Siberian, Elegantissima and Nana  
Aurea. Retinisporas in Plumosa, Plumosa  
Aurea, Pisifera Aurea and Squarrosa Veitchii.  
Balsam, European, Silver and Nordman's Fir in  
sizes from 2 to 6 ft. Austrian and White Pine  
in sizes from 2-4 ft. and Scotch Pine in sizes  
from 2-10 ft. We have a heavy stock of Nor-  
way Spruce which are of good color and well  
furnished to the ground. Send us a list of your  
wants in this line and we will be pleased to make  
you quotations.

**The  
Rakestraw-Pyle Co.**  
KENNETT SQUARE, PA.

WHOLESALE ONLY

**Chase Nursery Company**  
Huntsville, Alabama

GROWERS OF

**Trees  
Ornamentals  
Roses  
Hedge Plants**

Want Lists appreciated.  
We are ready to figure  
for FALL, 1909.

**Chase Nursery Company**  
Huntsville, Alabama

WHOLESALE ONLY

**Burr's Specialties**  
for the Coming Year

**PEACH TREES**

GROWN ON NEW LAND and will be EXCEPTIONALLY FINE

**CAROLINA POPLARS**

1, 1 1-4, 1 1-2, 2 in. DIAM.

**BERBERRY THUNBERGII**

12-18, 18-24 in.

**BERBERRY SEEDLINGS**

6-10, 10-12 in.

**ASPARAGUS ROOTS**

Graded strictly 2 Yr., No. 1

**CALIFORNIA PRIVET**

12-18 in. to 3-4 Ft.

Contract Prices on the above will be made for  
Early Orders.

We are also in position to handle Dealers' Com-  
plete List.

**C. R. BURR & COMPANY**

The Burr Nurseries MANCHESTER, CONN.



# MUSHROOM SPAWN !!!

**Now is the Time to Book Orders for 1909 Stock**

All Growers of Mushrooms should buy their SPAWN direct from JOHNSON'S, LTD., who are the chief makers and growers of Mushrooms in England. Their Spawn-bricks are scientifically inoculated with fine Virgin Spawn.

PRICES AND PARTICULARS ON APPLICATION

Send Nine Pence (36 cents) for our new book on Mushroom Culture.

ADDRESS ALL CORRESPONDENCE TO

**JOHNSON'S, Ltd.** 44 Bedford Row, LONDON, ENG.

(Mushroom Farm and Spawn Manufactory, TWYFORD ABBEY, LONDON, N. W., ENGLAND.)

## ARCADIA NURSERIES

Monticello, Fla.

Growers of General Fruit and  
Ornamental Trees in Quantity

High Grade PECANS our specialty

## Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks,  
Forest Tree Seedlings, Rose Stocks, Shrubs,  
Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

**JACKSON & PERKINS CO.**

NEWARK, N. Y.

## You Admit it Pays to Spray

OBVIOUSLY THEN IT PAYS TO USE THE VERY BEST SPRAYING MATERIALS PRODUCED—IF THE PRICES ARE RIGHT.

HEMINGWAY'S "LONDON PURPLE"  
HEMINGWAY'S LEAD ARSENATES  
"THEY'RE TWO BIRDS"



EITHER OF THEM WILL KILL THE BUG

WE PRODUCE THE BEST AND AT THE SAME TIME THE CHEAPEST. We have a 31 years' experience and reputation behind us and many hundreds of splendid unsolicited testimonials.

Thousands of tons of "London Purple" have been used in this country alone. Our largest customers a quarter of a century ago are our largest customers today. Both "London Purple" and Hemingway's Lead Arsenate are put up in every variety of package and should be obtainable at your dealers. If not, write to us direct, giving us the dealer's name and we will see that you are supplied.



Highest Award New Orleans 1884  
Highest Award Crystal Palace, London, 1891  
Gold Medal, St. Louis, 1904

HEMINGWAY'S "LONDON PURPLE" CO., LTD.

133 FRONT STREET, NEW YORK.





# Harrison's

J. G. HARRISON & SONS, PROPS.

## NURSERIES



### SURPLUS STOCK ALMOST GONE

Below is list of our surplus stuff on April 24th. Compare it with the similar list printed in this position a month ago, and you will see how very rapidly stuff is moving. If you want any of our extra fine trees and plants for spring trade, now is the time you must get busy.

We call especial attention to our fresh dug Strawberry plants. The quality of Strawberry plants from Harrison's Nurseries is so well known to the trade that we do not need to dwell on it. This year's offerings are the best we have ever placed on the market and it will be noticed that we have quite a quantity of some kinds. Klondike deserves special mention because of its excellence and because of the superiority of our plants.

Remember, our surplus stuff will all be gone in a very short time. Order now, today, if you want anything—tomorrow may be too late; next week you will probably get left. Fact is, if you wish to absolutely avoid disappointment, better telegraph your needs. At the prices we are now quoting, all this stock will be cleaned out in a twinkling.

J. G. HARRISON & SONS, Berlin, Maryland

#### APPLES

	1 in. and up	$\frac{3}{4}$	$\frac{5}{8}$	$\frac{1}{2}$	3-4 ft. 2-3 ft.
Grimes Golden	100				
Dutchess					1000
Winesap			200	200	
Yellow Transparent				1000	1000
Golden Beauty	600				
Staymans					500
Salome	100				
Red Astrachan				200	
Roman Stem	300				
Early Harvest				300	1000
Ben Davis				800	
York Imperial					2000

#### PEACHES

	1 in. and up	$\frac{3}{4}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	2-3 ft. 1-2 ft.
Belle of Georgia					1000	1000 500
Levy's Late	100	100				
Wilins Cling		200				
Bilyeu	50					
Ford's Late White		200				
Christiana	100	100				
Lewis	300	100				
Picquets Late		200	200	200		
Crawford Late	3000	1000			4000	3000
Elberta					1000	4000 5000
Ray					1000	500
Engle's Mammoth	400	200	300			
Greensboro			500		1000	500
Mayflower	200	200			100	500
Eureka	200	200	200			
Alexander					200	200
Waterloo		100	100			
Salway	2000	3000	2000	500	500	500
Reeves Favorite	1000	500	400	100	100	

Koster's Blue Spruce, 12 inches and 18 and up  
Bay Trees, 28 inch head, 44 inch stem  
Cherry Laurels Dwarfs, 2 1/2 ft., 4-5 ft.  
Magnolias, 3 ft.  
Rhododendrons  
Azalias, 12 inches

**ROSES:** Baby Rambler, La France, Magna Charta, Rosa Rugosa, Crimson, Pink, White and Yellow Ramblers.  
Silver Maples, 8-9 ft.  
Catalpa Speciosa, 6-8 ft.  
Norway Spruce, 3-4 ft., 2-3 ft.  
2000 California Privet, 18-24 inches 5000 12-18 inches 2000 2-3 ft.  
Abundance, 100 6-7 ft. 100 5-6 ft.  
Shropshire Damson, 500 5-6 ft. 500 4-5 ft. 500 3-4 ft.  
Red June, 500 6-7 ft.  
Black Tartarian, 100 6-7 ft. 100 5-6 ft. Baldwin, 200 3-4 ft.  
Dyehouse, 100 5-6 ft. 100 6-7 ft. Schmidt, 100 6-7 ft.  
Gov. Wood, 100 5-6 ft.  
4000 Concord, 1 yr., No. 1 1000 Moore's Early

5000 Ruby Raspberry  
1000 Early Richmond 1000 1/2 1000 3-4  
1000 Montmorency 1000 1/2 1000 3-4  
3000 Kieffer 3/4 300 LeConte 4-5 300 3-4  
100 Garber 5-6 100 4-5 1000 3-4 1000 2-3  
800 Seckle, 5-6 1000 4-5 500 Flemish Beauty, 6-7 3/4  
150 Dutchess, 6-7 250 5-6 100 Koonce 5-6  
200 Clapp's Favorite, 5-6 500 4-5 100 Worden Seckle, 5/8  
100 Vt. Beauty, 5/8 50 Rossney, 5/8  
100 Lawrence, 5/8

#### STRAWBERRY PLANTS—FRESH DUG

150,000 Early Hathaway	20,000 Fairfield
100,000 Gandy	30,000 Johnson Early
150,000 Marshall	100,000 Klondike
25,000 New York	10,000 Midnight
125,000 Stephens Late Champion	25,000 Nick Ohmer
10,000 Chesapeake	50,000 Parsons







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PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

## EVERGREENS

### OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE  
PINES, BOX BUSH. A general collection  
of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA  
PRIVET, SPIRAEA VAN HOUTTEI  
by the thousand.

Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

OREGON GROWN

## ROSES

OWN ROOTS

Baltimore Belle    Crimson Rambler  
Dorothy Perkins    Seven Sisters  
Queen of the Prairie

CUT-LEAF WEEPING BIRCH

Carload Rates Through to Chicago.    Prices Right.

Oregon Nursery Co., SALEM,  
ORE.

## MINNESOTA Nursery Stock

Complete assortment of Fruit and Ornamental  
stock in all varieties suited to northern culture.  
A specialty of Hardy Shade Trees, Windbreak  
Stock, Evergreens (Coniferous), Deciduous  
Shrubs, Apples and Native Plums.

The Jewell Nursery Co.

LAKE CITY, MINN.

1200 Acres

Established 1868



FALL - 1909

Large Quantities of  
**CHERRY  
APPLE  
PEAR  
PLUM**

**Catalpa Speciosa Pure**

ORNAMENTAL TREES

SHRUBS AND SMALL

FRUITS A SPECIALTY

**C. M. Hobbs & Sons**

BRIDGEPORT, IND.

## Nursery Stock

**Walter Charles Slocock**

**GOLDSWORTH NURSERY**

*WOKING, SURREY, Eng.*

HAS THE USUAL EXTENSIVE STOCK OF  
THE FOLLOWING :

CONIFERS including a quantity of well shaped specimens for decorative purposes. Low prices can be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN AND DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.

MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.

Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other AMERICAN PLANTS.

(A good stock of all hardy varieties of Rhododendrons.)

CLEMATIS and other HARDY CLIMBING PLANTS.

Transplanted FOREST TREES.

THE STOCK IS IN EXCELLENT CONDITION  
LARGE QUANTITIES SHIPPED ANNUALLY.

## McHUTCHISON & CO.

17 Murray Street, NEW YORK CITY

Representing in United States and Canada

**Vincent Lebreton, Angers, France**

Grower and Exporter of

**FRUIT and ORNAMENTAL SEEDLINGS**

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobalans,  
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

Write for special prices, lists, catalog, etc.

**Schaum & Van Tol, Boskoop, (Holland)**

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,  
HARDY AZALEAS, BOXWOOD, PAEONIES,  
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

**Union Nurseries, Oudenbosch, (Holland)**

LARGE GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE  
CHESTNUTS, RIVERS PURPLE BEECH,  
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

**Royal Tottenham Nurseries**

Deedemsvaart, Holland

Largest Growers of

HERBACEOUS PLANTS, PERENNIALS, ETC.

Write for catalog.

We are direct importers of

ENGLISH MANETTI, RHODENDRONS, Etc., JAPANESE  
NURSERY STOCK, MAPLES, SCIADOPITYS, TREE  
PAEONIAS, THUYA, JAP BULES, Etc.

### BAY TREES

Pyramids and Standards from Belgium

**RAFFIA, Red Star Brand,**

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY

SHIPPING. We have our own Custom House Department. Special facilities at Havre, Antwerp, Rotterdam, Southampton, Hamburg, etc. Lowest rates consistent with perishable nature of stock.

**McHUTCHISON & CO.**

17 Murray Street,

NEW YORK.



# MUSHROOM SPAWN !!!

Orders executed solely from this season's newly prepared stock

All growers of mushrooms should buy their Spawn from the chief English Makers, viz:---Johnson's Limited., who are the principal growers in England, and whose Spawn bricks are scientifically inoculated with exceptionally fine Virgin Spawn and renowned for yielding prolific quantities.

Johnson's Limited test the value of the Spawn they manufacture by themselves growing Mushrooms on a very large scale.

PRICES AND PARTICULARS ON APPLICATION. SPECIAL TERMS FOR LARGE QUANTITIES

Send Nine Pence (36 cents) for our book on Mushroom Culture.

ADDRESS ALL CORRESPONDENCE TO

**JOHNSON'S, Ltd.** 44 Bedford Row, LONDON, ENG.

(Mushroom Farm and Spawn Manufactory, TWYFORD ABBEY, LONDON, N. W., ENGLAND.)

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Monticello, Fla.

Growers of General Fruit and Ornamental Trees in Quantity

High Grade PECANS our specialty

## Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

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**JACKSON & PERKINS CO.**

NEWARK, N. Y.

1857-1909

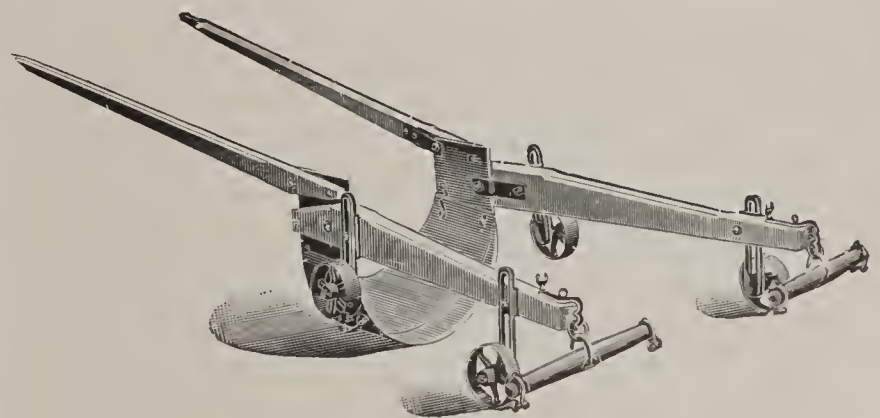
**L. G. BRAGG & CO.**

GROWERS OF

**No. 1 Nursery Stock**

ALSO MANUFACTURERS OF

Bragg's Common Sense Tree Digger



Digger gets all the roots at the rate of 20 to 40 thousand trees per day, and only needs same power as a plow

**L. G. BRAGG & CO.**

KALAMAZOO, MICH.





# Harrison Trees Are Hardy Because They Get the Right Start



The finest baby fish that ever existed wouldn't thrive on dry land.

And it's just as important to the development of trees, that they should be grown in the particular kind of soil that Nature intended them to be in.

It's our business to know about these things, and the proof that we *do* know is found in the high quality of the trees we are producing.

It's twenty years now since we commenced to grow trees. During that time we have developed and sold millions of them.

We have made it a point, first and foremost, to satisfy every customer, large or small.

So our business has gradually grown, and today we have over a thousand acres in active cultivation.

Commodious packing sheds and competent men insure safe, speedy shipments,—no matter how big.

Particular attention is called to our unusually fine line of ornamentals—evergreens, deciduous trees and shrubs.



We also have a splendid assortment of choice fruit-bearing trees — apple, peach, pear, plum, cherry. Strawberry plants, too.

Don't fail to see our superb exhibit at the coming Convention of the American Association, to be held at Rochester, New York, June, 9 to 11, 1909.

Anybody can *talk*. We are prepared to *prove*.

Meantime, write for our 1909 illustrated catalogue. You will like it. Write today.



## J. G. HARRISON & SONS, Berlin, Md.





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## ROSES

## OWN ROOTS

Baltimore Belle    Crimson Rambler  
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Queen of the Prairie

## CUT-LEAF WEEPING BIRCH

Carload Rates Through to Chicago.    Prices Right.

**Oregon Nursery Co.,** SALEM,  
ORE.

## AMERICANA PLUM

AND

## COMPASS CHERRY PLUM

We announce a large and handsome stock of the above  
for Fall 1909 and Spring 1910 delivery at  
low prices

Write us for quotations.

Our soil and location are peculiarly adapted to the prop-  
agation of the Americana plum, and we are  
therefore able to produce a uniform  
quality at the minimum cost.

**THE JEWELL NURSERY COMPANY**

LAKE CITY, MINNESOTA.

Established 1868

1200 Acres



FALL - 1909

Large Quantities of  
**CHERRY  
APPLE  
PEAR  
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Catalpa Speciosa Pure

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# MUSHROOM SPAWN !!!

Orders executed solely from this season's newly prepared stock

All growers of mushrooms should buy their Spawn from the chief English Makers, viz:---Johnson's Limited., who are the principal growers in England, and whose Spawn bricks are scientifically inoculated with exceptionally fine Virgin Spawn and renowned for yielding prolific quantities.

Johnson's Limited test the value of the Spawn they manufacture by themselves growing Mushrooms on a very large scale.

PRICES AND PARTICULARS ON APPLICATION. SPECIAL TERMS FOR LARGE QUANTITIES

Send Nine Pence (36 cents) for our book on Mushroom Culture.

ADDRESS ALL CORRESPONDENCE TO

**JOHNSON'S, Ltd.** 44 Bedford Row, LONDON, ENG.

(Mushroom Farm and Spawn Manufactory, TWYFORD ABBEY, LONDON, N. W., ENGLAND.)

## ARCADIA NURSERIES

Monticello, Fla.

Growers of General Fruit and Ornamental Trees in Quantity

High Grade PECANS our specialty

## Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

**JACKSON & PERKINS CO.**

NEWARK, N. Y.

1857-1909

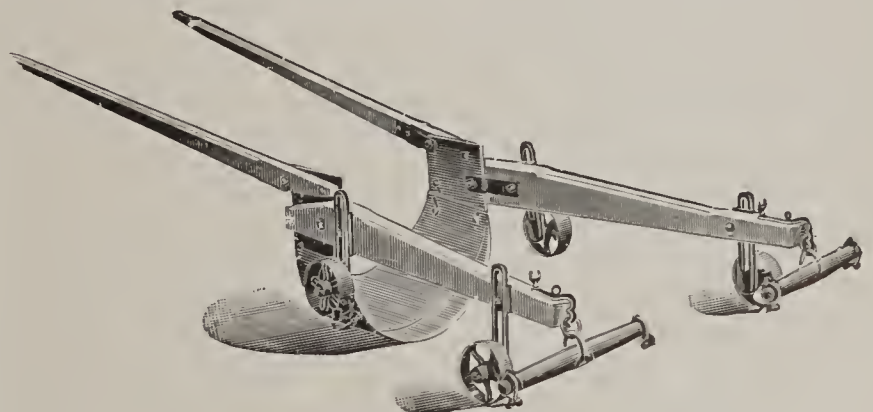
**L. G. BRAGG & CO.**

GROWERS OF

## No. 1 Nursery Stock

ALSO MANUFACTURERS OF

Bragg's Common Sense Tree Digger



Digger gets all the roots at the rate of 20 to 40 thousand trees per day, and only needs same power as a plow

**L. G. BRAGG & CO.**

KALAMAZOO, MICH.





# Harrison Trees Are Hardy Because They Get the Right Start



The finest baby fish that ever existed wouldn't thrive on dry land.

And it's just as important to the development of trees, that they should be grown in the particular kind of soil that Nature intended them to be in.

It's our business to know about these things, and the proof that we *do* know is found in the high quality of the trees we are producing.

It's twenty years now since we commenced to grow trees. During that time we have developed and sold millions of them.

We have made it a point, first and foremost, to satisfy every customer, large or small.

So our business has gradually grown, and today we have over a thousand acres in active cultivation.

Commodious packing sheds and competent men insure safe, speedy shipments,—no matter how big.

Particular attention is called to our unusually fine line of ornamentals—evergreens, deciduous trees and shrubs.



We also have a splendid assortment of choice fruit-bearing trees — apple, peach, pear, plum, cherry. Strawberry plants, too.

Don't fail to see our superb exhibit at the coming Convention of the American Association, to be held at Rochester, New York, June, 9 to 11, 1909.

Anybody can *talk*. We are prepared to *prove*.

Meantime, write for our 1909 illustrated catalogue. You will like it. Write today.



## J. G. HARRISON & SONS, Berlin, Md.





# THE NATIONAL NURSERYMAN



AUGUST, 1909

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

## The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

## Choice Nursery Stock

PEACH, STD. PEAR,  
PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

## EVERGREENS

## OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE  
PINES, BOX BUSH. A general collection  
of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA  
PRIVET, SPIRAEA VAN HOUTTEI  
by the thousand.

**Andorra Nurseries,**

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

OREGON GROWN

## ROSES

OWN ROOTS

Baltimore Belle    Crimson Rambler  
Dorothy Perkins    Seven Sisters  
Queen of the Prairie

## CUT-LEAF WEEPING BIRCH

Carload Rates Through to Chicago.    Prices Right.

**Oregon Nursery Co.,** SALEM,  
ORE.

AMERICANA PLUM

AND

COMPASS CHERRY PLUM

We announce a large and handsome stock of the above  
for Fall 1909 and Spring 1910 delivery at  
low prices

Write us for quotations.

Our soil and location are peculiarly adapted to the prop-  
agation of the Americana plum, and we are  
therefore able to produce a uniform  
quality at the minimum cost.

**THE JEWELL NURSERY COMPANY**

LAKE CITY, MINNESOTA.

Established 1868

1200 Acres



# Here's a Splendid Surplus

## HELP US MOVE IT!

NOTICE—A *splendid* surplus stock—not a mere job-lot of "seconds," or worse.

Your customers are too familiar with the old, old story of the "here-today-there-tomorrow" tree agent to be much impressed with plausible words when they buy nursery stock.

No, Sir! they expect substance, not promise—they want the goods.

It's up to you to furnish standard, reliable stock—true to name and representation—the kind that builds up a solid class of satisfied customers who

will come to you again and again—not just once.

Stock from Harrison's Nurseries is exactly that kind; it's strong, vigorous, healthy, magnificently-rooted, and is handled and packed in a professional, businesslike style.

Our trade is a big one. We sell lots of trees every year. Has any of our stock been going to you? If not, let's get together; good for us both.

Look over the following lists and let us know your wants:

### Choice Nursery Stock

**APPLES**—100,000 two year buds on whole French roots, no better grown. All leading sorts. 6 to 7 ft. 1 inch and up. 5 to 6 ft.  $\frac{3}{4}$ , 4 to 6 ft.  $\frac{3}{4}$ , 4 to 5 ft.  $\frac{1}{2}$  and 3 to 4 ft.

200,000 Apple, one year budded on whole French root, all the leading commercial varieties: 4 to 6 ft. 4 to 5 ft. and 3 to 4 ft.

**DWARF APPLES**—10,000, 2 years. 4 to 5 ft.  $\frac{5}{8}$  and 3 to 5 ft.  $\frac{1}{2}$  in.

**PEACHES**—200,000, one year from bud, smooth, well grown first-class in every respect, all the leading varieties: 6 to 7 ft. 1 inch up, 5 to 7 ft.  $\frac{3}{4}$ , 4 to 6 ft. 9-16, 4 to 5 ft.  $\frac{1}{2}$ , 3 to 4 ft.  $\frac{3}{8}$  2 to 3 ft. and 1 to 2 ft.

**PEARS**—20,000 Kieffer We have the finest we have ever seen growing. 3 years grafted. 1 inch and up.  $\frac{3}{4}$  and up.

20,000 Kieffer, two year buds on French root,  $\frac{3}{4}$  and up,  $\frac{3}{8}$  to  $\frac{3}{4}$ ,  $\frac{1}{2}$  to  $\frac{3}{8}$  3 to 4 ft.

20,000 Kieffer, one year buds.

5,000 Garber, 5,000 Le Conte 2 year buds.

25,000 Bartlett, two year buds on French root. 11-16,  $\frac{3}{8}$ ,  $\frac{1}{2}$  inch, 3 to 4 ft. and 2 to 3 ft.

1,000 Seckle, 1,000 Clapp's Favorite, 1,000 Flemish Beauty, Sheldon, Mannings, Lawson, Vermont, Koonce, Vicar, Dutchess, Belle Lucrative, Tyson, Rossnev, Wilder.

**CHERRIES**—50,000, two year budded, strictly first-class Sours:  $\frac{3}{4}$  and up,  $\frac{3}{8}$ ,  $\frac{1}{2}$ , 3 to 4 ft. and 2 to 3 ft.

20,000 one year sour cherry trees, 4 to 5 ft. tion

Sweet Cherry, 1,000 Black Tatarian, 1,000 Bigarreau, 100 Governor Wood, 100 Windsor, 100 Yellow Spanish.  $\frac{3}{4}$  and up  $\frac{3}{8}$  and 5,000 one year.

Sweet Cherry,  $\frac{3}{8}$  4 to 5 ft.  $\frac{1}{2}$  inch, following varieties: Yellow Spanish, Black Tatarian, Gov. Wood, Windsor, Napoleon, Schmidt.

**PLUMS**—Two years. 2,000 Wickson, 300 Abundance, 300 Burbanks,  $\frac{3}{4}$  and up

20,000, one year.  $\frac{3}{4}$ ,  $\frac{5}{8}$ ,  $\frac{1}{2}$ , 3 to 4 ft. of Abundance, Burbank, Wickson, Red June, Shropshire, Damson, Bradshaw, Lombard and others.

**QUINCE**—200 Orange, 200 Champion, two years 3 to 4 ft.

**DWARF PEARS**—1,000 Dutchess,  $\frac{5}{8}$ , 2,000 Bartletts,  $\frac{5}{8}$ .

**GRAPE VINES**—Selected stock, one year.

50,000 Concord, one year, No. 1.

50,000 Moores Early, 1 year, No. 1.

10,000 Concord, 2 years, selected.

**PRIVET**—California Privet. The finest block of Privet grown in America. 1,000, 4 to 5 ft. 3 yrs. 50,000, 2 yrs. 3 to 4 ft. 80,000 2 to 3 ft. 90,000, 18 to 24 inches.

One year. 50,000 18 to 24 inches. 50,000 12 to 18 inches. This Privet is well grown, extra fibrous roots and we guarantee satisfac-

**SPRUCE**—2,000 Norway Spruce. No finer grown, transplanted with good roots. 10 of the 6 to 8 ft. 50, 5 to 6 ft. 500, 4 to 5 ft. 500, 3 to 4 ft. 500, 2 to 3 ft. 500, 1 ft. and up.

3,000 Colorado Blue Spruce, transplanted. 100, 3 ft. 100, 2 ft. and 2,000, 1 ft.

10,000 Kesters Blue Spruce. 18 inches, also 12 inches.

50 Hemlock Spruce. 4 to 5 ft., 3 to 4 ft.

**AMERICAN ARBOR VITAE**—1,000, 4 to 5 ft., 3 to 4 ft., 2 to 3 ft. and 1 to 2 ft.

**BLUE CEDAR**—100, 5 to 6 ft.

**GLORY OF BOSKOOP**—1,000, 18 inches, also 12 inches.

**BAY TREES**—50 standards. 28 to 30 inch crowns. 40 to 48 inch steins.

**LAURUS CERASUS** (Cherry Laurels) 50, standard, symmetrical crowns, 3 to 4 ft. Dwarfs, 2 to 3 ft.

**AZALIA MOLLIS**—15 to 20 inch buds, 12 inches.

**HYDRANGEAS**—P. G. 18 to 24 inches

**ROSES**—1,000 Baby Rambler, 3 yrs., field grown.

1,500 Roses, assorted varieties, 2 yrs.: Helen Gould, Mad. Chas. Wood, Vicks Caprice, Archduc Eliz. of Austria, Etoile de France, Francis Levet, Soer de Wootton, Annie de Diesbach, Clim. Wootton, Clim. Meteor, Jules Margottin, Mad. Masson, Eugene Furst, Duke of Edinburg, Meteor, Augustine Halem, Phila. Rambler, Crimson Rambler.

### Shade Trees

**MAPLES**—6,000 Norway Maples.

100, 10 to 12 ft. 2 inches. 100, 8 to 10 ft. 1  $\frac{1}{2}$  inches. 300, 7 to 8 ft. 1 to 1  $\frac{1}{4}$  inches. 500, 6 to 8 ft.  $\frac{3}{4}$  to 1 inch. 5,000 6 to 8 ft. whips, once transplanted.

8,000 Silver Maples.

100, 10 to 12 ft., 2 inches. 100, 10 to 12 ft., 1  $\frac{1}{2}$  inches. 2,500, 8 to 10 ft., 1 to 1  $\frac{1}{2}$  inches. 2,500 7 to 8 ft.,  $\frac{3}{4}$  to 1 inch. 1000, 6 to 7 ft.,  $\frac{5}{8}$  to  $\frac{3}{4}$ .

**CAROLINA POPLARS**—3,000. 100, 10 to 12 ft. 2 inches. 100, 10 to 12 ft., 1  $\frac{1}{2}$  inches.

1,000, 8 to 10 ft., 1 inch. 1,500, 7 to 8 ft.,  $\frac{3}{4}$  to 1 in. 1,000 6 to 8 ft.,  $\frac{5}{8}$  to  $\frac{3}{4}$ .

**AMERICAN ELM**—1,000. 100, 10 to 12 ft., 2 inches. 500, 8 to 10 ft., 1  $\frac{1}{2}$  inches. 500, 7 to 8 ft., 1 to 1  $\frac{1}{2}$  inches.

**RUSSIAN MULBERRY**—1,000. 100, 10 to 12 ft., 2 inches. 500, 8 to 10 ft., 1  $\frac{1}{2}$  inches. 200, 7 to 8 ft., 1 inch. 200, 6 to 8 ft.,  $\frac{3}{4}$  to 1 inch.

**CATALPA**—2,000. 200, 8 ft., 2 inches. 200, 7 ft., 1  $\frac{1}{2}$  inches. 200, 7 ft., 1 inch. 300, 6 ft.,  $\frac{3}{4}$  to 1 inch.

**AMERICAN BLACK ASH**—1,000. 100, 12 ft., 2 inches. 300, 10 ft., 1  $\frac{1}{2}$  inches. 300, 8 ft., 1 inch. 300, 7 ft.,  $\frac{3}{4}$  to 1 inch.

**BOX ELDER**—1,000. 100, 12 ft., 2 inches. 300, 10 ft., 1  $\frac{1}{2}$  inches. 300, 8 ft., 1 inch. 300, 7 ft.,  $\frac{3}{4}$  to 1 inch.

**AMERICAN LINDENS**—1,000. 100, 12 ft., 2 inches. 300, 10 ft., 1  $\frac{1}{2}$  inches. 300, 8 ft., 1 inch. 300, 7 ft.,  $\frac{3}{4}$  to 1 inch.

**J. G. HARRISON & SONS, Berlin, Md.**





# THE NATIONAL NURSERYMAN



SEPTEMBER, 1909

Published Monthly at Rochester, N.Y., in Behalf of the Trade Interests of Nurserymen, Seedmen and Plant Growers in General.

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PINES, BOX BUSH. A general collection  
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ALSO

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by the thousand.

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Baltimore Belle    Crimson Rambler  
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Queen of the Prairie

CUT-LEAF WEEPING BIRCH

Carload Rates Through to Chicago.    Prices Right.

Oregon Nursery Co.,    SALEM,  
ORE.

CURRANTS

PLUMS

SEEDLINGS

(Soft Maple, Box Elder, Elm)

An exceptionally fine Stock for Fall 1909,  
Spring 1910 Shipment

The Jewell Nursery Co.

LAKE CITY MINNESOTA

Established 1868

1200 Acres

TRADE REVIEW NUMBER



FALL - 1909

Large Quantities of  
**CHERRY**  
**APPLE**  
**PEAR**  
**PLUM**

**Catalpa Speciosa Pure**

ORNAMENTAL TREES

SHRUBS AND SMALL

FRUITS A SPECIALTY

**C. M. Hobbs & Sons**

BRIDGEPORT, IND.

## **Nursery Stock**

**Walter Charles Slocock**

**GOLDSWORTH NURSERY**

*WOKING, SURREY, Eng.*

HAS THE USUAL EXTENSIVE STOCK OF  
THE FOLLOWING :

CONIFERS including a quantity of well shaped specimens for decorative purposes. Low prices can be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN AND DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.

MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.

Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other AMERICAN PLANTS.

(A good stock of all hardy varieties of Rhododendrons.)

CLEMATIS and other HARDY CLIMBING PLANTS.

Transplanted FOREST TREES.

THE STOCK IS IN EXCELLENT CONDITION  
LARGE QUANTITIES SHIPPED ANNUALLY.

# **McHUTCHISON & CO.**

17 Murray Street, NEW YORK CITY

Representing in United States and Canada

**Vincent Lebreton, Angers, France**

Grower and Exporter of

**FRUIT and ORNAMENTAL SEEDLINGS**

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,  
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

Write for special prices, lists, catalog, etc.

**Schaum & Van Tol, Boskoop, (Holland)**

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,  
HARDY AZALEAS, BOXWOOD, PAEONIES,  
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

**Union Nurseries, Oudenbosch, (Holland)**

LARGE GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE  
CHESTNUTS, RIVERS PURPLE BEECH,  
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

**Royal Tottenham Nurseries**

Deedemsvaart, Holland

Largest Growers of

HERBACEOUS PLANTS, PERENNIALS, ETC.

Write for catalog.

We are direct importers of

ENGLISH MANETTI, RHODENDRONS, Etc., JAPANESE  
NURSERY STOCK, MAPLES, SCIADOPITYS, TREE  
PAEONIAS, THUYA, JAP BULBS, Etc.

## **BAY TREES**

Pyramids and Standards from Belgium

**RAFFIA, Red Star Brand,**

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY

SHIPPING. We have our own Custom House Department. Special facilities at Havre, Antwerp, Rotterdam, Southampton, Hamburg, etc. Lowest rates consistent with perishable nature of stock.

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17 Murray Street,

NEW YORK.



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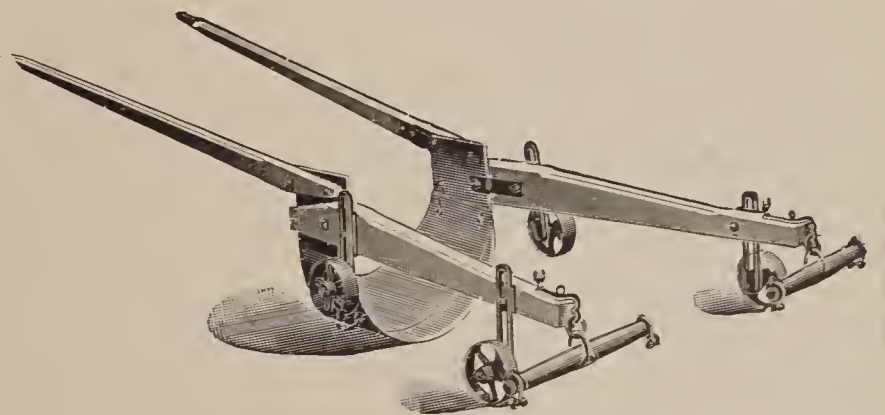
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GROWERS OF

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ALSO MANUFACTURERS OF

Bragg's Common Sense Tree Digger



Digger gets all the roots at the rate  
of 20 to 40 thousand trees per day,  
and only needs same power as a plow

**L. G. BRAGG & CO.**

KALAMAZOO, MICH.



# We Have Acres of Norway Spruce as Thrifty and Shapely as This One



We are growing Norway Spruce for the trade. We have a few acres of them, 2 to 5 feet, in excellent condition—part of a purchase of 100,000 Norway Spruce made by our Mr. Orlando Harrison while in Holland last season. We find that our soil is particularly well adapted to growing Norway Spruce. In addition, we are paying special attention to growing Colorado Blue Spruce, Koster's Blue Spruce, and Hemlock Spruce.

Our Shade Trees and our California Privet are leaders in the trade. Our methods of growing, digging and grading are appreciated by those who insist upon the best, and our customers who have been with us heretofore are coming again. Are you already with us? If not, we want your business; our stock is the kind you can use in yours. Come to Berlin, see our establishment and make your selection. You'll find the trip well worth while.

In connection with the following surplus list, we name a few items to which we direct your attention especially. More than 100,000 two-year Apple budded on whole French root; 200,000 one-year budded Apple (a fine lot); 200,000 or more one-year budded Peach that have made a splendid growth; and more than 50,000 Pear.

Write us about the above or anything in the following list that interests you :

## Choice Nursery Stock

**APPLES**—100,000 two year buds on whole French roots, no better grown. All leading sorts. 6 to 7 ft. 1 inch and up. 5 to 6 ft.  $\frac{3}{4}$ , 4 to 6 ft.  $\frac{5}{8}$ , 4 to 5 ft.  $\frac{1}{2}$  and 3 to 4 ft.

200,000 Apple, one year budded on whole French root, all the leading commercial varieties: 4 to 6 ft. 4 to 5 ft. and 3 to 4 ft.

**DWARF APPLES**—10,000, 2 years. 4 to 5 ft.  $\frac{5}{8}$  and 3 to 5 ft.  $\frac{1}{2}$  in.

**PEACHES**—200,000, one year from bud, smooth, well grown, first-class in every respect, all the leading varieties: 6 to 7 ft. 1 inch up. 5 to 7 ft.  $\frac{3}{4}$ , 4 to 6 ft. 9-16, 4 to 5 ft.  $\frac{1}{2}$ , 3 to 4 ft.  $\frac{3}{8}$  2 to 3 ft. and 1 to 2 ft.

**PEARS**—20,000 Kieffer We have the finest we have ever seen growing. 3 years grafted. 1 inch and up.  $\frac{3}{4}$  and up. 20,000 Kieffer, two year buds on French root,  $\frac{3}{4}$  and up,  $\frac{5}{8}$  to  $\frac{3}{4}$ ,  $\frac{1}{2}$  to  $\frac{5}{8}$ , 3 to 4 ft. 20,000 Kieffer, one year buds. 5,000 Garber, 5,000 Le Conte 2 year buds. 25,000 Bartlett, two year buds on French root. 11-16,  $\frac{5}{8}$ ,  $\frac{1}{2}$  inch, 3 to 4 ft. and 2 to 3 ft.

1,000 Seckle, 1,000 Clapp's Favorite, 1,000 Flemish Beauty, Sheldon, Mannings, Lawson, Vermont, Koonce, Vicar, Dutchess, Belle Lucrative, Tyson, Rossney, Wilder.

**CHERRIES**—50,000, two year budded, strictly first-class Sours:  $\frac{3}{4}$  and up,  $\frac{5}{8}$ ,  $\frac{1}{2}$ , 3 to 4 ft. and 2 to 3 ft. 20,000 one year sour cherry trees, 4 to 5 ft.

Sweet Cherry. 1,000 Black Tatarian, 1,000 Bigarreau, 100 Governor Wood, 100 Windsor, 100 Yellow Spanish.  $\frac{3}{4}$  and up  $\frac{5}{8}$  and 5,000 one year.

Sweet Cherry.  $\frac{5}{8}$ , 4 to 5 ft.  $\frac{1}{2}$  inch. following varieties: Yellow Spanish, Black Tatarian, Gov. Wood, Windsor, Napoleon, Schmidt.

**PLUMS**—Two years. 2,000 Wickson, 300 Abundance, 300 Burbanks,  $\frac{3}{4}$  and up.

20,000, one year.  $\frac{3}{4}$ ,  $\frac{5}{8}$ ,  $\frac{1}{2}$ , 3 to 4 ft. of Abundance, Burbank, Wickson, Red June, Shropshire, Damson, Bradshaw, Lombard and others.

**QUINCE**—200 Orange, 200 Champion, two years 3 to 4 ft.

**DWARF PEARS**—1,000 Dutchess,  $\frac{5}{8}$ , 2,000 Bartletts,  $\frac{5}{8}$ .

**GRAPE VINES**—Selected stock, one year

50,000 Concord, one year, No. 1. 50,000 Moores Early, 1 year, No. 1. 10,000 Concord, 2 years, selected.

**PRIVET**—California Privet. The finest block of Privet grown in America. 1,000, 4 to 5 ft. 3 yrs. 50,000, 2 yrs., 3 to 4 ft. 80,000 2 to 3 ft. 90,000, 18 to 24 inches.

One year. 50,000 18 to 24 inches. 50,000 12 to 18 inches. This Privet is well grown, extra fibrous roots and we guarantee satisfaction.

**SPRUCE**—2 000 Norway Spruce. No finer grown, transplanted with good roots. 10 of the 6 to 8 ft. 50, 5 to 6 ft. 500, 4 to 5 ft. 500, 3 to 4 ft. 500, 2 to 3 ft. 500, 1 ft. and up.

3,000 Colorado Blue Spruce, transplanted. 100, 3 ft. 100, 2 ft. and 2,000, 1 ft. 10,000 Koster's Blue Spruce. 18 inches, also 12 inches. 50 Hemlock Spruce. 4 to 5 ft., 3 to 4 ft.

**AMERICAN ARBOR VITAE**—1,000, 4 to 5 ft., 3 to 4 ft. 2 to 3 ft. and 1 to 2 ft.

**BLUE CEDAR**—100, 5 to 6 ft.

**GLORY OF BOSKOOP**—1000, 18 inches, also 12 inches.

**BAY TREES**—50 standards. 28 to 30 inch crowns. 40 to 48 inch stems.

**LAURUS CERASUS** (Cherry Laurels) 50, standard, symmetrical crowns, 3 to 4 ft. Dwarfs, 2 to 3 ft.

**AZALIA MOLLIS**—15 to 20 inch buds, 12 inches.

**HYDRANGEAS**—P. G. 18 to 24 inches.

**ROSES**—1,000 Baby Rambler, 3 yrs., field grown; 1,500 Roses, assorted varieties, 2 yrs.:

## Shade Trees

**MAPLES**—6,000 Norway Maples.

100, 10 to 12 ft. 2 inches. 100, 8 to 10 ft. 1  $\frac{1}{2}$  inches. 300, 7 to 8 ft. 1 to 1  $\frac{1}{4}$  inches. 500, 6 to 8 ft.  $\frac{3}{4}$  to 1 inch. 5,000 6 to 8 ft. whips, once transplanted. 8,000 Silver Maples.

100, 10 to 12 ft., 2 inches. 100, 10 to 12 ft., 1  $\frac{1}{2}$  inches. 2,500, 8 to 10 ft., 1 to 1  $\frac{1}{2}$  inches. 2,500, 7 to 8 ft.,  $\frac{3}{4}$  to 1 inch. 1000, 6 to 7 ft.,  $\frac{5}{8}$  to  $\frac{3}{4}$ .

**CAROLINA POPLARS**—3,000. 100 10 to 12 ft. 2 inches. 100, 10 to 12 ft., 1  $\frac{1}{2}$  inches. 1,000, 8 to 10 ft., 1 inch. 1,500, 7 to 8 ft.,  $\frac{3}{4}$  to 1 in. 1,000 6 to 8 ft.,  $\frac{5}{8}$  to  $\frac{3}{4}$ .

**AMERICAN ELM**—1,000. 100, 10 to 12 ft., 2 inches. 500, 8 to 10 ft., 1  $\frac{1}{2}$  inches. 500, 7 to 8 ft., 1 to 1  $\frac{1}{2}$  inches.

**RUSSIAN MULBERRY**—1,000. 100, 10 to 12 ft., 2 inches. 500, 8 to 10 ft., 1  $\frac{1}{2}$  inches. 200, 7 to 8 ft., 1 inch. 200, 6 to 8 ft.,  $\frac{3}{4}$  to 1 inch.

**CATALPA**—2,000. 200, 8 ft., 2 inches. 200, 7 ft., 1  $\frac{1}{2}$  inches. 200, 7 ft., 1 inch. 300, 6 ft.,  $\frac{3}{4}$  to 1 inch.

**AMERICAN BLACK ASH**—1,000. 100, 12 ft., 2 inches. 300, 10 ft., 1  $\frac{1}{2}$  inches. 300, 8 ft., 1 inch. 300, 7 ft.,  $\frac{3}{4}$  to 1 inch.

**BOX ELDER**—1,000. 100, 12 ft., 2 inches. 300, 10 ft., 1  $\frac{1}{2}$  inches. 300, 8 ft., 1 inch. 300, 7 ft.,  $\frac{3}{4}$  to 1 inch.

**AMERICAN LINDENS**—1,000. 100, 12 ft., 2 inches. 300, 10 ft., 1  $\frac{1}{2}$  inches. 300, 8 ft., 1 inch. 300, 7 ft.,  $\frac{3}{4}$  to 1 inch.

# J. G. HARRISON & SONS, Berlin, Maryland





# THE NATIONAL NURSERYMAN



OCTOBER, 1909

Published Monthly at Rochester, N.Y., in Behalf of the Trade Interests of Nurserymen, Seedmen and Plant Growers in General.

## The Monroe Nursery

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## Choice Nursery Stock

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PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

## EVERGREENS

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PINES, BOX BUSH. A general collection  
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ALSO

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by the thousand.

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WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

OREGON GROWN

## ROSES

OWN ROOTS

Baltimore Belle    Crimson Rambler  
Dorothy Perkins    Seven Sisters  
Queen of the Prairie

CUT-LEAF WEEPING BIRCH

Carload Rates Through to Chicago.    Prices Right.

Oregon Nursery Co.,    SALEM,  
ORE.

CURRANTS

PLUMS

SEEDLINGS

(Soft Maple, Box Elder, Elm)

An exceptionally fine Stock for Fall 1909,  
Spring 1910 Shipment

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LAKE CITY MINNESOTA

Established 1868

1200 Acres



FALL - 1909

Large Quantities of  
**CHERRY**  
**APPLE**  
**PEAR**  
**PLUM**

**Catalpa Speciosa Pure**

ORNAMENTAL TREES

SHRUBS AND SMALL

FRUITS A SPECIALTY

**C. M. Hobbs & Sons**

BRIDGEPORT, IND.

## **Nursery Stock**

**Walter Charles Slocock**

**GOLDSWORTH NURSERY**

*WOKING, SURREY, Eng.*

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ROSES, Standards, Dwarfs and others.

MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.

Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other AMERICAN PLANTS.

(A good stock of all hardy varieties of Rhododendrons.)

CLEMATIS and other HARDY CLIMBING PLANTS.

Transplanted FOREST TREES.

THE STOCK IS IN EXCELLENT CONDITION

LARGE QUANTITIES SHIPPED ANNUALLY.

# **McHUTCHISON & CO.**

17 Murray Street, NEW YORK CITY

Representing in United States and Canada

**Vincent Lebreton, Angers, France**

Grower and Exporter of

**FRUIT and ORNAMENTAL SEEDLINGS**

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,  
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

Write for special prices, lists, catalog, etc.

**Schaum & Van Tol, Boskoop, (Holland)**

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,  
HARDY AZALEAS, BOXWOOD, PAEONIES,  
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Also full line of Boskoop grown stock.

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Large Quantities.

Lowest Prices.

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PAEONIAS, THUYA, JAP BULBS, Etc.

**BAY TREES**

Pyramids and Standards from Belgium

**RAFFIA, Red Star Brand,**

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY

SHIPPING. We have our own Custom House Department. Special facilities at Havre, Antwerp, Rotterdam, Southampton, Hamburg, etc. Lowest rates consistent with perishable nature of stock.

**McHUTCHISON & CO.**

17 Murray Street,

NEW YORK.



# MUSHROOM SPAWN !!!

Orders executed solely from this season's newly prepared stock

All growers of mushrooms should buy their Spawn from the chief English Makers, viz:---Johnson's Limited., who are the principal growers in England, and whose Spawn bricks are scientifically inoculated with exceptionally fine Virgin Spawn and renowned for yielding prolific quantities.

Johnson's Limited test the value of the Spawn they manufacture by themselves growing Mushrooms on a very large scale.

PRICES AND PARTICULARS ON APPLICATION. SPECIAL TERMS FOR LARGE QUANTITIES

Send Nine Pence (36 cents) for our book on Mushroom Culture.

ADDRESS ALL CORRESPONDENCE TO

**JOHNSON'S, Ltd.** 44 Bedford Row, LONDON, ENG.

(Mushroom Farm and Spawn Manufactory, TWYFORD ABBEY, LONDON, N. W., ENGLAND.)

100,000

**California Privet**

EXTRA STOCKY PLANTS, 2 YEARS

They go quick at bargain prices.

**ARCADIA NURSERIES**

Monticello, Florida

**Charles Detriche, Senior**

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

**JACKSON & PERKINS CO.**

NEWARK, N. Y.

1857-1909

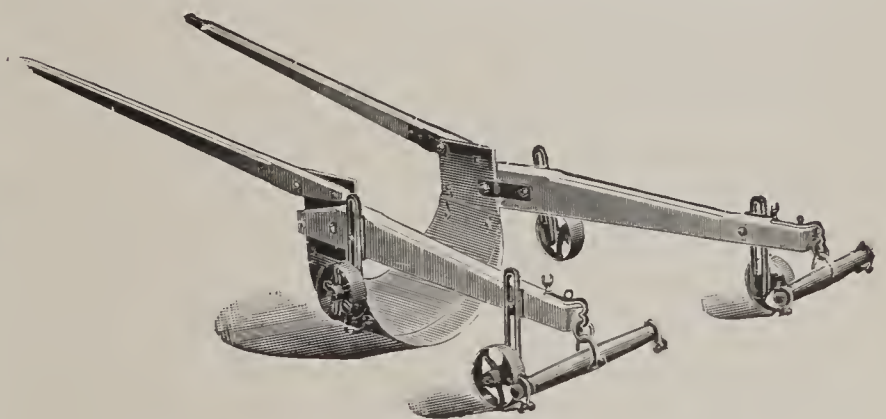
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GROWERS OF

**No. 1 Nursery Stock**

ALSO MANUFACTURERS OF

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Digger gets all the roots at the rate of 20 to 40 thousand trees per day, and only needs same power as a plow

**L. G. BRAGG & CO.**

KALAMAZOO, MICH.



# Two Million Apple Trees

## Can You Use Some of Them?

**H**ARRISON'S stock of Apples this season numbers approximately Two Million Trees—it includes more than fifty varieties.

These are produced in the thorough, painstaking Harrison way, commencing with thrifty, well rooted stocks, **budded**, (not grafted) with wood of known origin, and then cultivated throughout the season to keep the ground mellow and the trees growing.

That's the combination of effort that makes Harrison trees a success whenever planted.

We grow here at Berlin every tree we sell; we know its parentage, and guarantee it reliable as to name and variety; every tree goes out with a clean bill of health.

And when it comes to shipping—the care we take to insure delivery in good con-

dition is almost proverbial. Our big roomy sheds, the ample railroad accommodations in our own yards, our efficient packing force and our splendid facilities for handling orders—all of these mean a prompt delivery that's worth money to you and that gets the trees to your customers when they want them.

The high quality of our stock is bringing us many new customers, and we are constantly adding to our facilities to properly take care of these, as well as to look after our friends who have been with us longer.

Whether or not you are now a customer of Harrison's we invite you to look over our list, which shows part of our surplus stock. If you see anything there that interests you, write us; if not, write us anyway—let's get better acquainted!

### SOME OTHER HARRISON SPECIALTIES

—  
3,000,000 Peach,  
250,000 Cherry  
500,000 Privet  
10,000 Koster  
Spruce  
150,000 Norway  
Spruce

## Choice Nursery Stock

**APPLES**—100,000 two year buds on whole French roots, no better grown. All leading sorts. 6 to 7 ft. 1 inch and up. 5 to 6 ft.  $\frac{3}{4}$ , 4 to 6 ft.  $\frac{5}{8}$ , 4 to 5 ft.  $\frac{1}{2}$  and 3 to 4 ft.

200,000 Apple, one year budded on whole French root, all the leading commercial varieties: 4 to 6 ft. 4 to 5 ft. and 3 to 4 ft.

**DWARF APPLES**—10,000, 2 years. 4 to 5 ft.  $\frac{5}{8}$  and 3 to 5 ft.  $\frac{1}{2}$  in.

**PEACHES**—200,000, one year from bud, smooth, well grown, first-class in every respect, all the leading varieties: 6 to 7 ft. 1 inch up 5 to 7 ft.  $\frac{3}{4}$ , 4 to 6 ft. 9-16, 4 to 5 ft.  $\frac{1}{2}$ , 3 to 4 ft.  $\frac{5}{8}$ , 2 to 3 ft. and 1 to 2 ft.

**PEARS**—20,000 Kieffer. We have the finest we have ever seen growing. 3 years grafted. 1 inch and up.  $\frac{3}{4}$  and up. 20,000 Kieffer, two year buds on French root,  $\frac{3}{4}$  and up,  $\frac{5}{8}$  to  $\frac{3}{4}$ ,  $\frac{1}{2}$  to  $\frac{5}{8}$  3 to 4 ft. 20,000 Kieffer, one year buds. 5,000 Garber, 5,000 Le Conte 2 year buds. 25,000 Bartlett, two year buds on French root. 11-16,  $\frac{5}{8}$ ,  $\frac{1}{2}$  inch, 3 to 4 ft. and 2 to 3 ft.

1,000 Seckle, 1,000 Clapp's Favorite, 1,000 Flemish Beauty, Sheldon, Mannings, Lawson, Vermont, Koonce, Vicar, Dutchess, Belle Lucrative, Tyson, Rossnev, Wilder.

**CHERRIES**—50,000, two year budded, strictly first-class. Sours:  $\frac{3}{4}$  and up,  $\frac{5}{8}$ ,  $\frac{1}{2}$ , 3 to 4 ft. and 2 to 3 ft. 20,000 one year sour cherry trees, 4 to 5 ft.

Sweet Cherry, 1,000 Black Tartarian, 1,000 Bigarreau, 100 Governor Wood, 100 Windsor, 100 Yellow Spanish.  $\frac{3}{4}$  and up  $\frac{5}{8}$  and 5,000 one year

Sweet Cherry.  $\frac{5}{8}$ , 4 to 5 ft.  $\frac{1}{2}$  inch, following varieties: Yellow Spanish, Black Tartarian, Gov. Wood, Windsor, Napoleon, Schmidt.

**PLUMS**—Two years. 2,000 Wickson, 300 Abundance, 300 Burbanks,  $\frac{3}{4}$  and up

20,000, one year.  $\frac{3}{4}$ ,  $\frac{5}{8}$ ,  $\frac{1}{2}$ , 3 to 4 ft. of Abundance, Burbank, Wickson, Red June, Shropshire, Damson, Bradshaw, Lombard and others.

**QUINCE**—200 Orange, 200 Champion, two years 3 to 4 ft.

**DWARF PEARS**—1,000 Dutchess,  $\frac{5}{8}$ , 2,000 Bartlett,  $\frac{5}{8}$ .

**GRAPE VINES**—Selected stock, one year 50,000 Concord, one year, No. 1. 50,000 Moores Early, 1 year, No. 1. 10,000 Concord, 2 years, selected.

**PRIVET**—California Privet. The finest block of Privet grown in America. 1,000, 4 to 5 ft. 3 yrs. 50,000, 2 yrs, 3 to 4 ft. 80,000 2 to 3 ft. 90,000, 18 to 24 inches.

One year. 50,000 18 to 24 inches. 50,000 12 to 18 inches. This Privet is well grown, extra fibrous roots and we guarantee satisfaction.

**SPRUCE**—2,000 Norway Spruce. No finer grown, transplanted with good roots. 10 of the 6 to 8 ft. 50, 5 to 6 ft. 500, 4 to 5 ft. 500, 3 to 4 ft. 500, 2 to 3 ft. 500, 1 ft. and up.

3,000 Colorado Blue Spruce, transplanted. 100, 3 ft. 100, 2 ft. and 2,000, 1 ft. 10,000 Koster Blue Spruce 18 inches, also 12 inches. 50 Hemlock Spruce. 4 to 5 ft., 3 to 4 ft.

**AMERICAN ARBOR VITAE**—1,000, 4 to 5 ft. 3 to 4 ft. 2 to 3 ft. and 1 to 2 ft.

**BLUE CEDAR**—100, 5 to 6 ft.

**GLORY OF BOSKOOP**—1000, 18 inches, also 12 inches.

**BAY TREES**—50 standards. 28 to 30 inch crowns. 40 to 48 inch stems.

**LAURUS CERASUS** (Cherry Laurels) 50, standard, symmetrical crowns, 3 to 4 ft. Dwarf, 2 to 3 ft.

**AZALIA MOLLIS**—15 to 20 inch buds, 12 inches.

**HYDRANGEAS**—P. G. 18 to 24 inches

**ROSES**—1,000 Baby Rambler, 3 yrs., field grown; 1,500 Roses, assorted varieties, 2 yrs.:

## Shade Trees

**MAPLES**—6,000 Norway Maples.

100, 10 to 12 ft. 2 inches. 100, 8 to 10 ft. 1  $\frac{1}{2}$  inches. 300, 7 to 8 ft. 1 to 1  $\frac{1}{4}$  inches. 500, 6 to 8 ft.  $\frac{3}{4}$  to 1 inch. 5,000 6 to 8 ft. whips, once transplanted. 8,000 Silver Maples.

100, 10 to 12 ft., 2 inches. 100, 10 to 12 ft., 1  $\frac{1}{2}$  inches. 2,500, 8 to 10 ft., 1 to 1  $\frac{1}{2}$  inches. 2,500 7 to 8 ft.,  $\frac{3}{4}$  to 1 inch. 1000, 6 to 7 ft.,  $\frac{5}{8}$  to  $\frac{3}{4}$ .

**CAROLINA POPLARS**—3,000. 100 10 to 12 ft. 2 inches. 100, 10 to 12 ft., 1  $\frac{1}{2}$  inches. 1,000, 8 to 10 ft., 1 inch. 1,500, 7 to 8 ft.,  $\frac{3}{4}$  to 1 in. 1,000 6 to 8 ft.,  $\frac{5}{8}$  to  $\frac{3}{4}$ .

**AMERICAN ELM**—1,000. 100, 10 to 12 ft., 2 inches. 500, 8 to 10 ft., 1  $\frac{1}{2}$  inches. 500, 7 to 8 ft., 1 to 1  $\frac{1}{2}$  inches.

**RUSSIAN MULBERRY**—1,000. 100, 10 to 12 ft., 2 inches. 500, 8 to 10 ft., 1  $\frac{1}{2}$  inches. 200, 7 to 8 ft., 1 inch. 200, 6 to 8 ft.,  $\frac{3}{4}$  to 1 inch.

**CATALPA**—2,000. 200, 8 ft., 2 inches. 200, 7 ft., 1  $\frac{1}{2}$  inches. 200, 7 ft., 1 inch. 300, 6 ft.,  $\frac{3}{4}$  to 1 inch.

**AMERICAN BLACK ASH**—1,000. 100, 12 ft., 2 inches. 300, 10 ft., 1  $\frac{1}{2}$  inches. 300, 8 ft., 1 inch. 300, 7 ft.,  $\frac{3}{4}$  to 1 inch.

**BOX ELDER**—1,000. 100, 12 ft., 2 inches. 300, 10 ft., 1  $\frac{1}{2}$  inches. 300, 8 ft., 1 inch. 300, 7 ft.,  $\frac{3}{4}$  to 1 inch.

**AMERICAN LINDENS**—1,000. 100, 12 ft., 2 inches. 300, 10 ft., 1  $\frac{1}{2}$  inches. 300, 8 ft., 1 inch. 300, 7 ft.,  $\frac{3}{4}$  to 1 inch.

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## EVERGREENS

LARGE STOCK, BOTH SEEDLINGS AND TRANS-PLANTS, OF

SPRUCE  
PINES  
FIRS  
CEDARS

ARBOR VITAE  
HEMLOCKS  
JUNIPERS  
YEWS

## FOREST TREE SEEDLINGS

IMMENSE STOCK OF SEEDLINGS AS FOLLOWS:

CATALPA SPECIOSA  
BLACK LOCUST  
MAPLES  
OAKS  
LINDENS  
BEECH  
CHESTNUT

ASH  
WALNUT  
ELM  
BOX ELDER  
BIRCH  
EUROP. LARCH  
WILD BLACK CHERRY

*Advance Price List of Evergreen and Forest Tree Seedlings  
now Ready*

**D. HILL**

EVERGREEN SPECIALIST  
DUNDEE, ILLINOIS

When writing to Advertisers mention The National Nurseryman

1857-1909

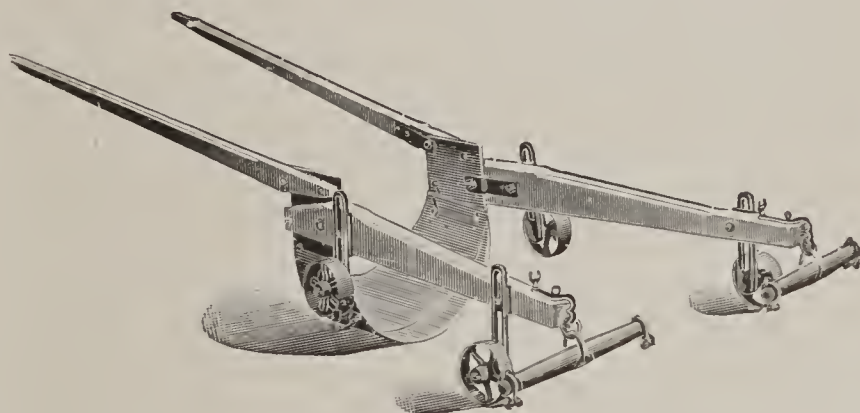
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KALAMAZOO, MICH.

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One Block of Kieffer Pears in our Nursery

**T**HIS reliable standby variety has been one of our specialties for many years. In fact, we have given so much attention to its culture that we have materially raised the Kieffer standard, and "Harrison's Kieffers" are widely known as quite a different fruit from the ordinary Kieffer. Your customer cannot select a better money-making Pear than the Kieffer as we offer it; its wonderfully attractive appearance and remarkable qualities, together with the productiveness of the trees, put it in a class which few other varieties can enter.

# Kieffer == The King of Commercial Pears

Our stock of Kieffer is large and the trees are in first-class condition and propagated from our own fruiting orchards. We exercise great care in cultivating and digging -- see smaller engraving--and you are, therefore, sure of pleased customers when you sell them Harrison's Kieffers.

The following surplus list shows only a part of our attractive Fall offering. Write and let us give you further particulars about our stock.

## SURPLUS LIST

8885 Ray	1333 Triumph
3330 Smock Free	1300 Waddell
3011 Stump	1019 W. H. Cling
5590 Salway	1216 Yellow St. John

## Surplus Peach, Fall 1909

2-3 ft., 3-4 ft.,  $\frac{1}{2}$ " ,  $\frac{3}{8}$ " ,  $\frac{3}{4}$ " , 1" up

395 Alton	5542 Greensboro
185 Arp. Beauty	841 Globe
740 Atlanta	960 Geary's Holdon
1639 Bray's R. R.	2094 Hieley
3000 Bilyeu	567 Klondike
7998 Belle of Ga.	1374 Krummell's late Oct.
7223 Crawford Late	1511 Levy's Late
3727 Chair's Choice	4091 Mayflower
2678 Crawford Ey.	4670 Mt. Rose
3393 Crosby	1227 Moores Fav.
1294 Connett's So. Ey.	1972 Mamie Ross
2546 Champion	2225 Niagara
1547 Engle's Mammoth	1044 New Prolific
16478 Elberta	3209 Old Mixon
4800 Fox Seedling	6739 Reeves Fav.

## Surplus List of Apple

3-4 ft., 4-5 ft., 4-6 ft., 5-6 ft., 6-7 ft.

$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{3}{4}$ "	1" up
112 Ark. Black	222 Ey. Strawberry		
130 Alexander	1605 Ey. Harvest		
100 Apple of Commerce	770 Fameuse		
4801 Baldwin	8104 Grimes' Golden		
245 Bismarck	2472 McIntosh		
84 Coffelet Beauty	1975 Myrick		
70 Cooper's Ey. Mkt.	1074 M. B. Twig		
161 Chenango Strawby.	2 40 Nero		
110 Carthouse	260 Rawles' Janet		
2675 Dutchess	1112 Red June		
107 Delicious	8535 Red Astrachan		
182 Dominie	4000 Stark		



We take every Care to Dig the Tree without Damage to Roots

5430 Stayman's Winesap	6189 Winesap
499 Tallman's Sweet	267 Walbridge
317 Transcendent	5170 Yellow Transparent
3336 Willam's Ey. Red	100 Kennard's Choice

## Dwarfs

5000 Two-year, 4-5 ft.  $\frac{5}{8}$ " and 3 to 5 ft.  $\frac{1}{2}$ "

# Harrison's Nurseries

J. G. HARRISON & SONS  
BERLIN PROPRIETORS  
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WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

OREGON GROWN

## ROSES

OWN ROOTS

Baltimore Belle    Crimson Rambler  
Dorothy Perkins    Seven Sisters  
Queen of the Prairie

CUT-LEAF WEEPING BIRCH

Carload Rates Through to Chicago.    Prices Right.

Oregon Nursery Co., SALEM,  
ORE.

## MINNESOTA

Nursery Stock

Complete assortment of Fruit and Ornamental  
stock in all varieties suited to northern culture. A  
specialty of Hardy Shade Trees, Windbreak Stock,  
Evergreens (Coniferous), Deciduous Shrubs, Apples,  
and Native Plums.

The Jewell Nursery Co.

LAKE CITY, MINNESOTA

1200 Acres

Established 1868





Block of Norway Spruce at Harrison's Nurseries.

# Encourage Your Customers To Plant More Evergreens!

**M**ANY of your customers haven't much idea of the value of evergreen trees in the home planting, yet a better or more practical tree can scarcely be had for the purpose. For this reason we have been "educating" people to plant them more extensively, and we find that the idea "takes well."

If you are not paying much attention to Evergreens, you'll find it well worth while to enlarge your stock and let it be known that you're offering something worth while—which you can say truthfully if you buy Harrison's Evergreens. Here are some of their advantages:

They retain their foliage all the year, and add a touch of color to the home grounds when everything else is bleak and bare.

They afford most effective protection against storm just when protection is needed—bare branches don't offer much resistance to a winter gale.

They not only protect the house and make it easier to keep it warm, but help preserve it against decay and make fewer paintings necessary.

The illustration shows a very attractive block of *Picea Excelsa* (Norway Spruce) growing at Harrison's Nurseries. The vigor and shapely beauty of these little trees speaks for itself: it's a stock which you will be proud to supply to your trade.

In addition to our plantings of Norway Spruce, we have splendid stocks of Koster's and Colorado Blue Spruce, American Arbor Vitæ, and the various Pines and Cedars. Upon his recent visit to Europe our Mr. Orlando Harrison secured several desirable stocks of the more unusual varieties of Evergreens, and these, added to our already very extensive line have brought our Evergreen Department to a point of completeness rarely equalled. Write us your needs in the Evergreen line—or indicate your interest and let us tell you what we are offering.

We offer some attractive lots of stock in the following Surplus List, both Ornamental and Fruit, and will gladly quote on request.

5-6' 4-5' 3-4' 2-3' 18-24" 12-18'						Shade Trees			8-10 ft. 6-8 ft. 5-6 ft.			Apple		
Norway Spruce		500	500	1000	1000							American Black Ash	1000	1000
Koster Blue Spruce					2000	1000	8-10 ft.	6-8 ft.	5-6 ft.			Box Elder	1000	1000
Colorado Blue Spruce		100	100	100	1000		1000	5000	5000			1 in. and up. 3/4 to 1 in. 3/8 to 3/4		
Amer. Arb. Vit. 100	100	200	200	200			3000	5000	5000			Ben Davis	500	500
Cal. Prvt.	5000	10000	15000	10000	10000	5000	1000	2000	2000			Grimes Golden	2000	500
Barberry Thunbergii					1000	5000	500	500	500			Nero	1000	1000
							Russian Mulberry	1000	1000					
							Catalpa	1000	1000					

**Harrison's Nurseries**  
J.G. HARRISON & SONS PROPRIETORS  
BERLIN MARYLAND



# NURSERYMEN AND FLORISTS

looking for stock can find largest assortment in the  
United States at the

## Painesville Nurseries

Fruit and Nut Trees, Deciduous Trees, Shrubs and Evergreens, Hardy Roses, Vines and  
Plants, Grapes, Gooseberries, Small Fruits, Bulbs, Seeds, Palms  
and other tender Greenhouse Plants

Have full list of varieties for fall trade with special inducements for orders for late fall  
delivery in car lots, or cellared for Spring if desired. Our facilities are unsur-  
passed for handling these large orders. Try us and be convinced.

Not satisfied with our present large cellars, are now build-  
ing one 112 ft. by 240 ft. connecting with and south  
of present brick cellar.

### OUR SPECIALTIES ARE

#### ROSES

H. P.

Moss

Ramblers

Climbers, Etc.

PEACHES

PEARS

PLUMS

CHERRIES



FLOWER OF TULIP TREE.

Ornamental  
Trees and  
Shrubs in  
Car Lots

Weeping Mulberries  
Elm and Ash

Clematis

Ampelopsis

Paeonies

Hydrangeas, Bush  
and Tree

Holland Bulbs

NO TROUBLE TO PRICE YOUR WANTS

55 Years

1200 Acres

44 Greenhouses

## THE STORRS & HARRISON CO.

PAINESVILLE, OHIO



# Dorothy Perkins

A LARGE STOCK  
OF THIS POPULAR ROSE

Write for Prices

## Ellwanger & Barry

Mount Hope Nurseries  
Rochester, N. Y.

# High Quality---Price Low

They're a J. & P. combination. When we find we can't grow a thing perfectly and profitably, we cut it out! Frankly, we can't grow the best of everything; our soil and climate don't suit all kinds of stock; but they do produce some things to perfection, as one of our good friends wrote us last week, referring to our ROSES; TREE HYDRANGEAS warranted "as good as J & P's," may be that; we don't know; we haven't seen 'em. Ours are "as good as J & P's"—the only stock we'd like to compare ours with. And our TREE LILACS are as good as our TREE HYDRANGEAS.

THE PRICE is consistent with the QUALITY. It isn't always the lowest. It takes something more than cut-prices to sell stock these days; the Quality's got to be there. The Planter wants it; the Retailer demands it. It's the idea of finding out what we can grow best and growing it—lots of it—in big blocks, economically—and selling it—all of it—at reasonable prices, that has doubled our business in five years. If YOU buy the J & P goods, we can't tell you; if you don't, we want to show you.

## Jackson & Perkins Co.

Wholesale Only

Dispensers of "The Preferred Stock" which is grown at NEWARK, in WAYNE COUNTY, NEW YORK STATE.

December first.

## SPECIAL NOTICE

APPLE QUINCE PEAR CHERRY  
PEACH PLUM

A Fine Block of  
Own Root Roses

ORNAMENTAL TREES SHRUBS  
BERRIES CLEMATIS  
EVERGREENS PEONIES PHLOX

Write for our Special Prices

Special Attention given to Dealers, complete lists  
and carload lots.

**W. & T. SMITH COMPANY**  
GENEVA, N. Y.

63 Years

700 Acres

## IN CAR LOAD LOTS

We offer BIOTA AUREA NANA, Cedrus, Deodara, Junipers  
and assorted Specimen Conifers.



BIOTA AUREA NANA

Figs, Spanish Chestnuts,  
Althaeas, Deutzias,  
Exochordas, Lilacs,  
Philadelphus, Spiraeas,  
Weigelas, and other De-  
ciduous Shrubs.

Ashes, Elms, Maples,  
Weeping Mulberries,  
Tulip and Lombardy Pop-  
lars, Lindens and Texas  
Umbrellas.

Strong field grown ROSES,  
Standard sorts, budded  
and on own roots.

Citrus Trifoliata, Amoor  
and California Privets.

AZALEAS, Camellias,  
Magnolia Grandiflora,  
and other Broad-leaved  
Evergreens in great va-  
riety

Send for Catalog

**P. J. BERCKMAN'S CO., Inc.,**  
Fruitland Nurseries  
Established 1856

**AUGUSTA, GEORGIA**  
Over 450 Acres in Nurseries



## Heikes --- Huntsville --- Trees



Huntsville  
Wholesale Nurseries  
Huntsville, Ala.

JESSIE S. MOSS, Prop.

We offer for the Fall of 1909 and Spring of 1910 in large quantities as usual :

### SPECIALTIES

**PEARS**—Bartlett and Beurre de Anjou, one year, in large supply. As fine in quality as ever grown.

**PEARS**—Kieffers, one and two years old. A much smaller crop than heretofore

**PEARS**—Assorted leading varieties. One and two yrs. old.

**CHERRIES**—On Mahaleb. Leading sour varieties. A large block but not as many as usual.

**PEACHES**—We excel in Peaches, and of these we will have as large and as fine a stock as we have ever grown, both in one year and June Buds.

**PLUMS**—A light stock of these for this year.

**PECANS**—We make a specialty of grafted Pecans. These are grown in our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

**ROSES**—Budded. We have discontinued the propagation of Roses at Biloxi. We will have a large stock of leading Hybrid Perpetuals and Mosses grown at Huntsville.

**PRIVET**—Amoor River. Retains its foliage longer and holds its color better than Colifornia Privet.

**MAGNOLIA G. F.**—Huntsville grown. Handsome, young plants, transplanted.

See Price List for particulars.

Address, W. F. HEIKES, Manager,  
HUNTSVILLE, ALA.

## THE BEST TREE DIGGER ON EARTH



### Used and Recommended by Leading Nurserymen

The one we have used for years, and by far the most satisfactory of any we have ever seen. It does exactly the work for which it was designed—and does it right. If interested we will be glad to send description and prices.

**Stark Bro's Nurseries & Orchards Co.**

LOUISIANA, MO.

**H**AVE you seen and examined the quality of our waterproof rawhide shipping tags and tree labels? This stock is



especially adapted to hard usage and outside use. "Once used, always used." Send for samples and prices. Our refer-

ences are the largest Nurserymen in the United States.

**The Denney Tag Co.**

WEST CHESTER, PA.

## B. & A. SPECIALTIES.

**BLUE SPRUCE**, all sizes, 2 to 7 feet.

**WEeping BLUE SPRUCE**. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.

**ROSES**, Hybrid Perpetual and Hybrid Tea varieties.

**CONIFERS and EVERGREENS**, 150 varieties.

**RHODODENDRONS**, Hardy Hybrid and Maxima, 50 varieties.

**EVERGREEN SHRUBS**, 35 varieties.

**FLOWERING SHRUBS**, 350 varieties.

**JAPANESE MAPLES**, 25 varieties.

**ORNAMENTAL DECIDUOUS SHADE TREES**, 50 varieties.

**WEeping and STANDARD DECIDUOUS TREES**, 50 varieties.

**HEDGE PLANTS**, 25 kinds.

**HARDY VINES and CLIMBERS**, 75 varieties.

**PLANTS and TRAILING VINES**, 12 varieties.

**SPRING and SUMMER FLOWERING ROOTS and BULBS**, 250 varieties.

**DECORATIVE and FLOWERING PLANTS**, 50 varieties.

**TRAINED and OTHER FRUIT TREES**. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.

**SMALL FRUITS**, 75 varieties.

**NEW and RARE TREES, SHRUBS and EVERGREENS**, 35 varieties.

**MISCELLANEOUS NEW and RARE PLANTS and VINES**, 25 varieties.

**HARDY HERBACEOUS PLANTS** (Old Fashioned Flowers) 1,000 varieties.

**NEW and RARE CHOICE HARDY PERENNIALS**, 65 varieties.

**ORNAMENTAL GRASSES**, 30 varieties.

**HARDY FERNS**, 50 varieties.

ASK FOR WHOLESAL CATALOG

VISIT NURSERIES

**BOBBINK & ATKINS,**

NURSEYMEN AND FLORISTS,

RUTHERFORD, N. J.



# The Farmers Nursery Company

## OFFER

APPLE, assorted, heavy in light grades

PEAR, Standard, assorted, extra fine lot of Kieffer

CHERRY, 2 year, the finest stock we have ever grown

PLUM, Japan and English, good assortment of varieties

PEACH, choice stock in all grades

## EVERGREENS

ARBOR VITAE, 2 to 8 ft.

NORWAY SPRUCE, 2 to 8 ft.

ARBOR VITAE, 2 to 4 ft.

BALSAM FIR, 2 to 5 ft.

These evergreens have been transplanted, and are fine specimen plants. Can supply in carload lots

Silver Maple, Am. Elm, C. L. W. Birch, all sizes Catalpa Bungei, 3 year heads

Catalpa Spec. Seedlings, all grades. Golden Willow 2 year plants.

Stock grown at Dansville, N. Y. and Troy, O.

# B. E. Fields & Sons

*Fremont Nurseries*

FREMONT, NEBRASKA

Offer a General Line of Nursery Stock

APPLE, Keiffer and Garber Pear, Peach,  
Cherry and NATIVE PLUM

Our Native Plum are extra heavy and fine

GRAPES, Small Fruits, Shrubs

And a large line of

## Forest Tree Seedlings

A FINE LOT OF SHADE TREES

## W. FROMOW & SONS

Windlesham Nurseries, Surrey, England

Offer 250 acres of Hardy Outdoor Nursery Stock in great variety, chief among which may be noted the following:

Hardy Named Rhododendrons in such varieties as Everestianum, Caractacus, H. W. Sargent, C. S. Sargent, Kettle-drum, Chas. Dickens, Lady Armstrong, Atrosanguineum, Chas. Bagley, Alba elegans and grandiflora, Giganteum, Old Port, Fastuosum fl. plena, Roseum elegans, Delicatissima, Ed. S. Rand, Jas. Mackintosh, Mrs. H. Ingersoll, and many of the Parson's Hybrids.

Andromeda Florabunda, 20,000 to offer in bushy well grown plants 6 in. to 18 in.

Andromeda Japonica 6 to 18 in.

Azalea Mollis, seedlings from named varieties 4 to 24 in.

Ghent Azaleas, on own roots 12 to 24 in.

Azalea Pontica, the common yellow 12 to 30 in.

Gaultheria Shallon and Procumbens.

Kalmia Latifolia 6 to 30 inches.

Hybrid Tea, Tea, Polyantha and Hybrid Perpetual Roses, strong field-grown stock as Standards, Half Standards and Dwarfs in all leading varieties.

Copper Beech, selected seedling, specially good strain 3 to 9 ft.

Fruit Trees, trained, Espalier and Fan shaped.

Box, Handsworth and Common Tree 6 in. to 5 ft.

Retinospora Plumosa and Plumosa Aurea 6 in. to 6 ft.

Retinospora Pisifera and Pisifera Aurea 3 to 6 ft.

Retinospora Obtusa compacta 6 in. to 5 ft.

Abies Orientalis, Parryana, parryana Glauca and Kosteriana 6 in. to 4 ft.

Manetti Stocks, extra well rooted and graded for grafting. We can offer 500,000 for delivery, Fall 1910.

We are within an hour's rail ride of London, and shall welcome the personal inspection of any Nurseryman visiting England. We shall not importune you to buy, the quality of our stocks will ensure business.

Our sole agents for U. S. A. and Canada are

Messrs. A. ROLKER & SONS,

31 Barclay Street,

New York

## Franklin Davis Nursery Co.

Baltimore, Maryland

We offer for Fall 1909 and Spring 1910---

Apple, 1 and 2 year, leading varieties.

Pear, Standard, Keiffer, Blight Proof, Koonce, Garber, Etc., Etc.

Peach, 1 year, standard varieties.

" 2 " June Buds.

Cherry, 1 and 2 year on Mahaleb.

Asparagus, best leading kinds, 1 and 2 year.

Privet, California, 1 and 2 year, fine.

" Ibota, 1 and 2 year.

Strawberry Plants, best varieties.

Grape Vines, 1 and 2 year; heavy on 1 year Concord.

White Birch, 10-12 ft., fine.

Silver Maple, 10-12 ft., 8-10 ft., 7-8 ft.

Sugar Maple, 8-9 ft., 7-8 ft.

Norway Maple, 7-8 ft., 6-7 ft.

Poplars, Lombardy & Carolina, 1, 2 and 3 year.

Catalpa Speciosa, 8-9 ft., fine.

Weeping Willows, 8-9 ft., fine.

Oriental Planes, 8-9 ft., fine.

We have a fine lot of Extra Heavy Shrubs, such as Hydrangea P. G., Weigelas, assorted; Altheas, assorted; Judas Trees, Spireas, assorted; Eulalias, Snowballs, Lilacs, Strawberry Tree.

In large Shade Trees we have Sugar Maples, Elms, Box Elder, Catalpas, Evergreens, Roses, Etc., Etc.

Would accept orders to bud Peach on contract. Can commence shipping October 1st, or earlier.

Send us your want list.



# Strawberry Plants

**M**Y BUSINESS for several seasons has been growing very rapidly, and the season just past has far exceeded any former year. I have therefore been compelled to increase my acreage to meet the growing demand for my plants, and I expect this Summer to build an additional, large, up-to-date packing house, so that my daily output of plants will be greatly increased during the shipping season. This will enable me to handle promptly all orders that I receive. If you buy Strawberry Plants, get in communication with me before contracting for your next season's supply.

## W. W. THOMAS

"THE STRAWBERRY PLANT MAN."  
ANNA, ILLINOIS.

# SIMPSON

is the name of the men who  
grow the finest

## CHERRY

that can be produced by suitable soil,  
climate and expert knowledge.

Take a look at the stock or ask for a  
sample and be convinced of the *extra*  
*quality* of their

## TREES

H. M. Simpson & Sons,  
Vincennes, Indiana

Established 1845

## Bryant's Nurseries

PRINCETON, ILLINOIS

Sixty-four years in growing, handling and selling  
all kinds of Nursery Stock is the record of our house.

Well grown trees and plants, careful attention to  
details, courteous treatment and promptness in the  
execution of orders is what has built up the business  
to its present large proportions.

### Our Specialties Are

**Ornamental Trees and Shrubs  
Barberry Thunbergii, Privet, &c.**

Peonys—We have 50000 to offer in the best sorts.

Forest Seedlings by the Million—You will find  
prices right.

Also have a large surplus in Apple, Cherry, Cur-  
rants and Gooseberries.

WRITE US FOR WHAT YOU NEED

ARTHUR BRYANT & SON, Princeton, Illinois

## The L. Green & Son Co.

Perry, Lake County, Ohio

### *Specialties for Spring 1910*

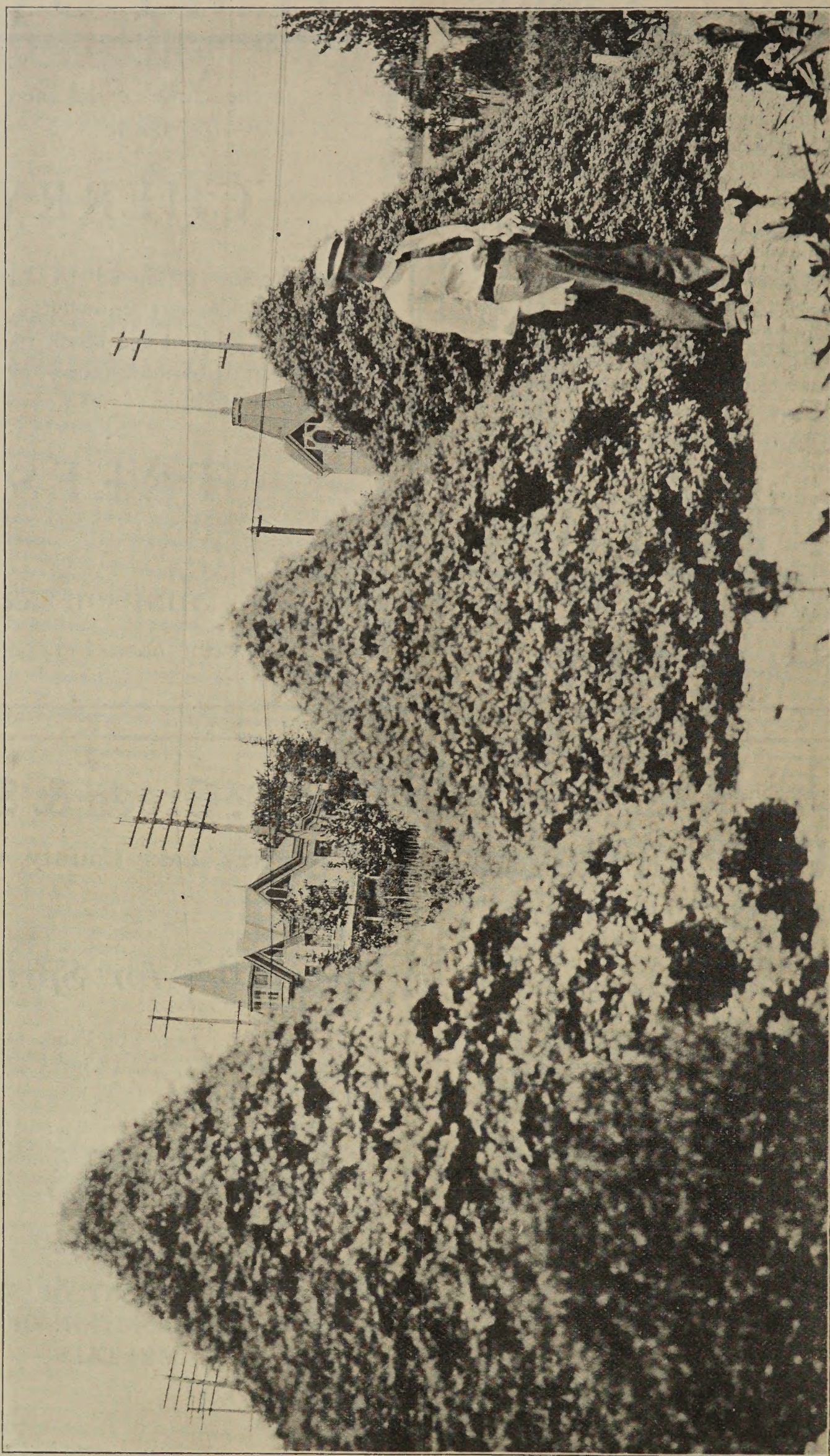
Fine lot of 2 year Std. Pears  $\frac{1}{2}$ - $\frac{5}{8}$  and  $\frac{5}{8}$ - $\frac{3}{4}$ ";  
strong on Bartletts. Also Cherry all grades. 2 yr.  
Concord Grapes.

Catalpa Speciosa 8-10 ft.; American Elm 8-10 and  
10-12 ft.; Horse Chestnut 5-6 ft.; Magnolia Acumin-  
ata; Norway Maple; Silver Maple; Car. Poplars under  
1  $\frac{1}{2}$  inch.

**A GOOD ASSORTMENT OF SHRUBS AND  
A NICE COLLECTION OF ORNA-  
MENTALS**

LET US FIGURE ON YOUR WANTS BEFORE  
PLACING YOUR ORDERS.





Splendid specimens of trained trees are found in various stages of development on the grounds of Bobbink & Atkins, Rutherford, N. J.